



**Cembre**



Certified Quality Management System



Certified Environmental Management System



Certified Occupational Health & Safety Management System

# IDENTIFICATION & LABELLING *systems*



# Introduction

This catalogue illustrates our identification and labelling systems. For each product family the principal features are indicated, along with typical applications and the necessary guidelines for correct application.

Our sales personnel are at your disposal to provide more detailed information and our design and development engineers are available to study new solutions for particular applications.



On 14th December 1990 Cembre SpA Quality Management

System was certified by Lloyd's Register of Quality Assurance (LRQA) according to ISO 9002-1987 EN 29002 - 1987 BS 5750: Part 2: 1987 for the manufacture of insulated and uninsulated copper crimping connectors.

Then on 22nd December 1992 Cembre SpA was certified ISO 9001 for the design and manufacture of cable accessories, electrical connectors and associated tools.

The activities of the main premises in Brescia, the Italian regional offices and the subsidiary companies in Great Britain, France, Spain, Germany and USA are governed by a single Quality System, assessed by Lloyd's Register of Quality as conforming to the ISO 9001:2008 norm, for the design, manufacture and sales of electrical connectors and associated tools, cable accessories, marking systems, tooling and products for railway applications. In house repair, refurbishment and calibration of tooling.

This guarantees a homogeneous and high quality level of the products and services that Cembre offers to its customers.



Cembre S.p.A. has recently recognised the need to align its Environmental

Management System with the spirit and content of UNI EN ISO 14001: 2004 as fundamental to future development.

To this end the company undertook a wide-ranging review of all functions including development and design stages, material selection, usage and manufacturing processes.

The resulting definition of operational procedures in line with these aims and provisions has enabled Cembre S.p.A. to achieve Environmental Certification, further highlighting the companies sensitive and careful approach to environmental protection.



Cembre S.p.A. has recently enhanced its business processes with the certification

by Lloyd's Register of Quality Assurance, of its Management System for the Health and Safety of Workers, in accordance with the standard OHSAS18001:2007 (Occupational Health and Safety Management System).

The project, launched in early 2011, was strategically designed to facilitate the active participation of all employees at every level in the application of systems management, in order to optimise compliance of risk management capability with regard to laws and regulations concerning the health and safety of workers.

All employees have received exhaustive training and are involved, by exercising their individual responsibility and competence, as key players in the identification of residual risk situations and the proposal of corrective solutions.

For Cembre then, this certification is not only the proper recognition of the quality of work performed, but also an incentive to maintain a determined competitive advantage in increasingly difficult and aggressive international markets.



**C e m b r e** S. p. A.

*Group head office, Brescia, Italy*

## **Cembre Ltd** *Birmingham, U.K.*

Cembre Ltd is one of the production units in the Cembre group. Since its establishment in December 1986, the company has enjoyed years of continuous growth.

Its main office, laboratory and works are located in Curdworth, near Birmingham, whilst its active sales force serves customers throughout the UK and Ireland.

## **Cembre Inc.** *Edison, New Jersey, U.S.A.*

Operative since March 1999, Cembre Inc. based in Edison, NJ, provides full stock of our products available to customers, technical assistance and repair capabilities

with immediate availability of spare-parts. Our head-office in Edison serves the United States, Canada and Mexico.



All Cembre products comply with Directive 2011/65/EU of the European Parliament and Council dated 8 June 2011 (and subsequent amendment).



**MARKINGENIUS®MG3**

	<i>page</i>
<b>Thermal transfer printing system</b> .....	<b>6</b>
Software GENIUSPRO .....	7
Printer MARKINGENIUS®MG3 .....	8
<b>Ribbons, accessories and printable media compatible with MG2 &amp; MG3</b>	
Printer ribbons MG2-ETR .....	8
Printer accessories .....	9
serieFLAT cable tags for holders, MG-TPMF & MG-TPMF-HF .....	10
Cable tags for holders, MG-TPM .....	11
Cable tags, one-piece push-on, MG-TDM .....	12
Cable tags, one-piece clip-on, MG2-TDMO .....	13
serieFLAT cable and conduit tags, tie-on MG-ETF & MG-ETF-HF .....	14
Cable markers, wraparound, self adhesive MG-KMP .....	15
Terminal block markers, push in MG-CPM .....	16
serieFLAT terminal marker strips, direct MG-CPMF & MG-CPMFA .....	19
Terminal marker labels, self adhesive MG-VYB .....	20
serieFLAT terminal marker strip brackets STF .....	20
Component markers, push in MG-SPM .....	21
Cable and component legends MG-TAP .....	22
Push button and panel legend base covers MG-TAP-CCS .....	23
Push button legends MG-PTS, MG2-PTS .....	24
Cable and component legends MG-TAPW .....	25
Cable and component legends MG-TAR .....	26
Dog tags MG-DOG & MG-DOG-HF .....	27
Component legends, self adhesive MG-TAA .....	28
Component labels, self adhesive MG-VYT, MG2-VYT .....	29
Component labels, self adhesive MG-PYT .....	30
Component labels, self adhesive MG-VCT .....	31
PLC legends MG-PLC & MG-PLC-HF .....	32
Security labels MG-SAT .....	33
Modular component legends MG-17.5-R, MG2-17.5-R .....	34
Modular component legends, self adhesive MG-17.5-A, MG2-17.5-A .....	35
Modular component labels MG-17.5-VY & MG-17.5-PY .....	36
Modular component strips MG-17.5-SB .....	37
Panel plates MG-VRT-R & MG2-VRT-R .....	38
Panel plates with holes MG-VRT-RH & MG2-VRT-RH .....	39
Panel plates, self adhesive MG-VRT-A & MG2-VRT-A .....	40
Panel plates, self adhesive MG-VRT-AH & MG2-VRT-AH .....	41
Panel plates, self adhesive, pre-printed & customised GMCK .....	42
Panel legends MG-SIGNS-R & MG-SIGNS-A .....	43
Panel labels MG-SIGNS-VY .....	44
Panel labels MG-SIGNS-PY .....	45

**ROLLY2000**

	<i>page</i>
<b>Thermal transfer printing system for roll media</b> .....	<b>46</b>
Software GENIUSPRO .....	47
Printer ROLLY2000 .....	48
Printer ROLLY2000 TR1 .....	49
Printer ROLLY2000 TR2 .....	50
Accessories & ribbons TPS-060, TRR-055 .....	51
Cable tags for holders TPM-ROLL .....	52
Cable and component legends TAR-ROLL .....	53
Cable and conduit tags, tie-on ETF-ROLL .....	54
Cable markers, wraparound, self adhesive KM-ROLL .....	55
Component labels, self adhesive VCT-ROLL .....	56
Modular panel marker strips STRIP-ROLL .....	57
Thermal transfer labels TTL .....	58
Thermal transfer film TTF .....	61
Aluminium plates GMC-AL .....	63
Heat-shrinkable tubing TERMO-ROLL .....	64

**MANUAL SYSTEM**

	<i>page</i>
<b>Manual cable marking systems</b> .....	<b>76</b>
Push-in markers, Polyamide 6.6, in strips PMP-30 .....	78
Push-in markers, Polyamide 6.6, in strips STARTkit PMP-30 .....	79
Accessories, carriers, insertion & extraction tools .....	79
Push-on, pre-printed chevron ring cable markers RMS .....	80
Accessories RMT .....	82
Push-on, flat ring cable markers FMS and carriers FMH .....	84
Cable and conduit tags, tie-on MS-ETF .....	84
Wraparound cable markers KM .....	85
Wraparound strips ANS .....	86
Alphanumeric signs ANL .....	87
Snap-on, pre-printed cable markers with applicators SM .....	88

**ACCESSORIES**

	<i>page</i>
<b>Marking system accessoires</b> .....	<b>98</b>
Transparent serieFLAT holders for cables PMF .....	100
Transparent holders for cables, standard version PM .....	102
Transparent holders for cables, light version PM-L .....	105
Transparent holders self adhesive for surface mounting PMF-AC .....	106
Transparent holders tie-on PMF-ET .....	106
Transparent holders self adhesive for surface mounting PM-AC .....	107
Transparent holders tie-on PM-ET & PM-DT .....	107
Transparent holders self adhesive for surface mounting of 15 mm legends PMT-AC .....	108
Transparent holders tie-on for 15 mm legends PMT-ET & PMT-DT .....	108
Transparent holders self adhesive for surface mounting of 9 mm legends PMT-AC .....	109
Transparent holders tie-on for 9 mm legends PMT-ET, PMT-DT & PMT-CT .....	109
Cable ties G Series .....	110
Cable ties G V0 Series .....	112
Cable ties GFH Series .....	113
Cable ties GX Series .....	114
Push button legend bases PTP .....	115
Panel legend bases PL .....	116
Push button and panel legend base covers TAP-CCS .....	117
Panel plate covers CPT .....	117
Panel legend rails and covers RT-TAP .....	118
Panel legend rails and covers RT-TAPW .....	119
Document holders TPD .....	119

**SIGNstick-onsys**

	<i>page</i>
<b>Characteristics</b> .....	<b>120</b>
Warning signs WS .....	121
Warning signs WS for Solar power installations .....	123
Prohibition signs PS .....	124
Mandatory signs MS .....	125
Electrical symbols CS .....	126
Utility sector signs VS .....	128

**LABELstick-onsys**

	<i>page</i>
<b>Material for other digital printing systems</b> .....	<b>130</b>
Laser and ink-jet labels LLS-ILS .....	131
Laser cable markers, wraparound, self adhesive KML .....	133
<b>TERMINAL BLOCK MARKER CROSS REFERENCE CHART</b> .....	<b>134</b>
<b>PRE-PRINTED MEDIA QUOTATION REQUEST FORM</b> .....	<b>141</b>
<b>TEST METHODS</b> .....	<b>142</b>

**SYMBOLS**



All Cembre products comply with Directive 2011/65/EU of the European Parliament and Council dated 8 June 2011 (and subsequent amendment)

Self extinguishing class to UL 94

Operating temperature range

Application temperature range

Halogen Free

Silicon free

Meets the requirements for fire testing of materials and components for trains CEN/TS 45545-2:2009 Cert. N°1429-1IS0040/11

Products in flat PVC

For roll-fed printers

# IDENTIFICATION AND LABELLING SYSTEMS

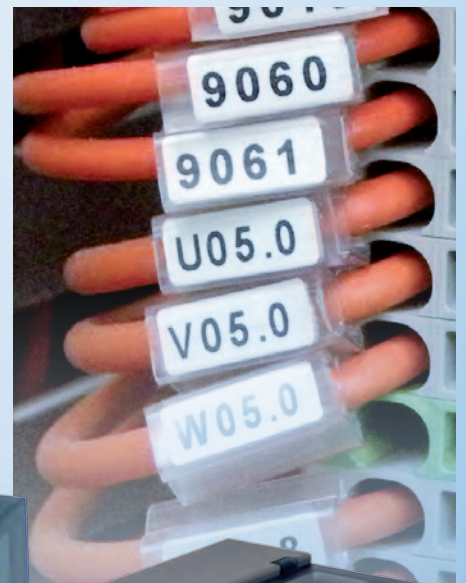
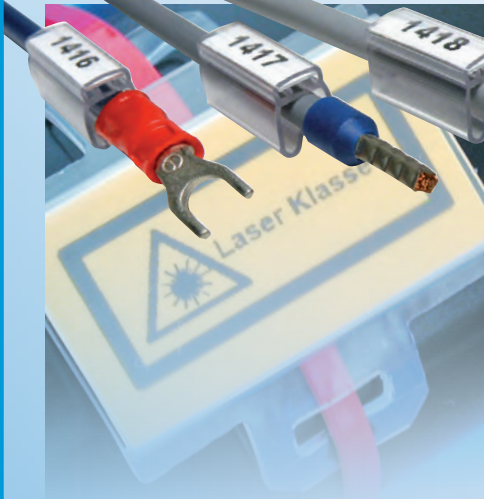
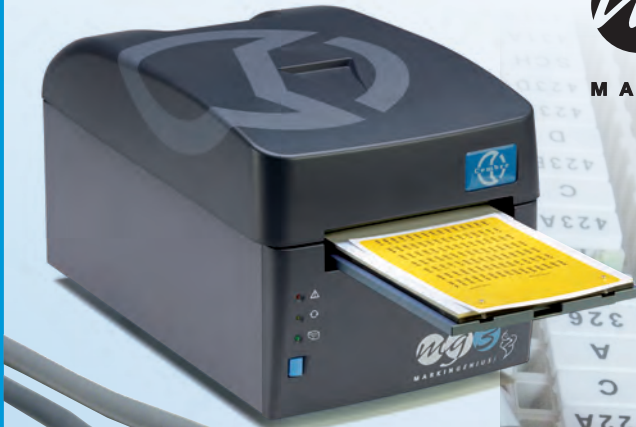
Cembre offers a number of innovative solutions to meet demands for high performance and reliability in the industrial and manufacturing sectors.

## THERMAL TRANSFER PRINTERS



### MARKINGENIUS®MG3

The revolution in identification systems, MARKINGENIUS®MG3 is a high-speed desktop printer using thermal transfer technology to produce identification and labelling media for cables and tubing, panel building components and equipment of all types. Windows® based, the high resolution MARKINGENIUS®MG3 prints monocolour True Type fonts, while also reproducing Clipart images, drawings and bitmaps down to very small dimensions.



**ROLY2000** is designed for high speed printing of identification and labelling media in roll format.

Thermal transfer print quality matched with robust construction and intensive Cembre reliability allow ROLLY2000 to print 1000 cable tags in less than two minutes.

Rolly2000TR1 is designed to print TERMO-ROLL heat-shrinkable tubing in continuous or ladder format at high speed and with the precision and quality of print required to meet the most stringent standards.



## PRE-PRINTED PANEL PLATES

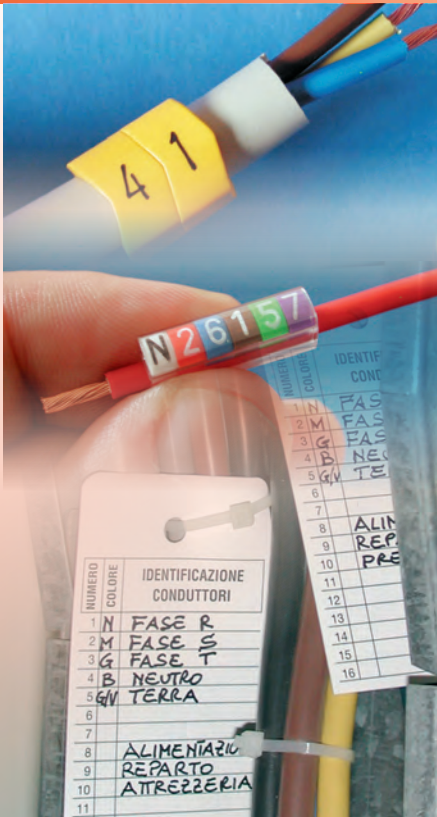
**PRINT LEGEND &  
RATING PLATES ON MG2 & MG3  
WITH FULL COLOUR  
COMPANY LOGOS**  
(see page 42)

**to request a quote  
complete the form on page 141**

## RING MANUAL SYSTEM

Provides simple and rapid solutions for the identification of cables and electrical components with four families of products:

- push-in cable markers- individual characters are collected in order on the insertion tool, then pushed into the transparent holder mounted on the cable.
- push-on ring markers and flat tie-on holder markers are used directly on cables, tubing and conduits.
- snap-on cable markers can be fitted even after cables are terminated and connected.
- wraparound self laminating cable markers are available for a wide range of diameters and may be hand printed then attached at any time. Ideal for applications requiring the print to be protected.



## SIGN stick-onsys

Warning, prohibition and mandatory signs, on A4 sheets

## LABELS



## LABEL stick-onsys

Labels for laser and ink-Jet printers

# HOW TO MARK

## SINGLE & MULTI-CORE CABLES

<p>page 10</p> <p>MG-TPMF&amp;TPM-ROLL 52</p> <p>100 PMF</p> <p>106 PMF-ET</p>	<p>MG-TPM 4 mm 11</p> <p>102 PM 5</p> <p>PM-DT 107</p> <p>PM-ET 107</p>	<p>MG-TDM 12</p>	<p>MG2-TDMO 13</p>	<p>MG-ETF 14</p> <p>110 CABLE TIES</p> <p>ETF-ROLL 54</p>	<p>MG-KMP 15</p> <p>Lüfter 4</p> <p>KM-ROLL 55</p>	<p>TERMO-ROLL 64</p>
<p>ANS 86</p>	<p>MG-TAP 15 mm 22</p> <p>108 PMT-ET</p> <p>PMT-DT 108</p>	<p>MG-TAPW 9 mm 25</p> <p>109 PMT-ET</p> <p>PMT-DT 109</p>	<p>PMP-30 78</p>	<p>RMS 80</p> <p>SM 88</p>	<p>FMS+FMH 84</p> <p>MS-ETF 84</p>	

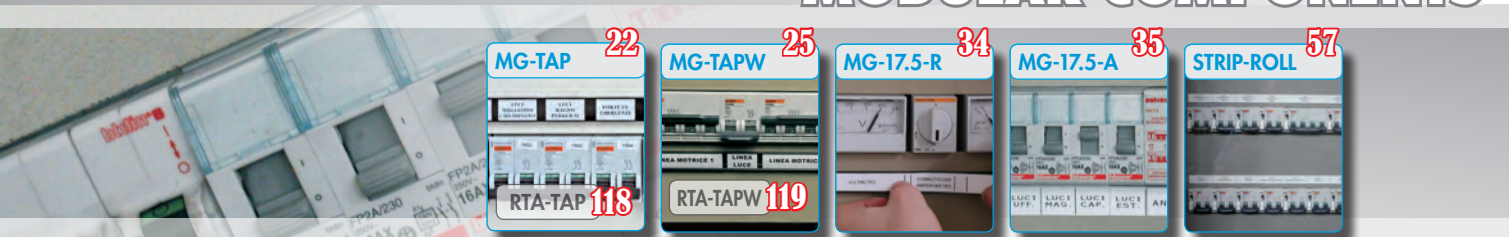
## TUBES, PIPES & CONDUIT

<p>MG-ETF 14</p> <p>110 CABLE TIES</p> <p>ETF-ROLL 54</p>	<p>MG-KMP 15</p> <p>Lüfter 4</p> <p>KM-ROLL 55</p>	<p>MG-TAPW 9 mm 25</p> <p>109 PMT-ET</p> <p>PMT-DT 109</p>	<p>MG-TAP 15 mm 22</p> <p>108 PMT-ET</p> <p>PMT-DT 108</p>	
<p>TERMO-ROLL 64</p>	<p>KM 85</p> <p>KML 133</p>	<p>ANS 86</p>	<p>FMS+FMH 84</p>	<p>MS-ETF 84</p> <p>110 CABLE TIES</p>

## COMPONENTS & EQUIPMENT

<p>MG-TPMF 10</p> <p>106 PMF-AC</p> <p>TPM-ROLL 52</p>	<p>MG-TPM 11</p> <p>107 PM-AC</p>	<p>MG-TAP 15 mm 22</p> <p>108 PMT-AC</p> <p>RT-TAP 118</p>	<p>MG-TAPW 9 mm 25</p> <p>109 PMT-AC</p> <p>RT-TAPW 119</p>			
<p>MG-SPM 21</p>	<p>MG-TAR 26</p>	<p>MG-TAA 28</p>	<p>MG-VYT 29</p>	<p>MG-PYT 30</p>	<p>MG-DOG 27</p>	<p>MG-SAT 33</p>
<p>MG-PLC 32</p>	<p>MG-VCT 31</p>	<p>SIGNS 120</p>				

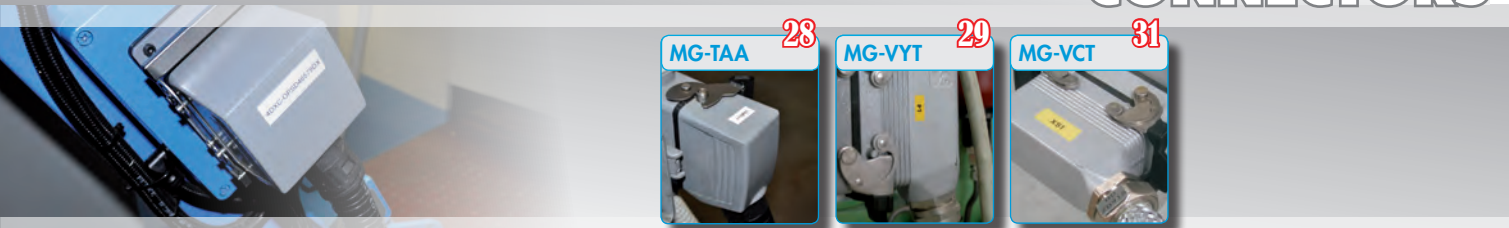
## MODULAR COMPONENTS



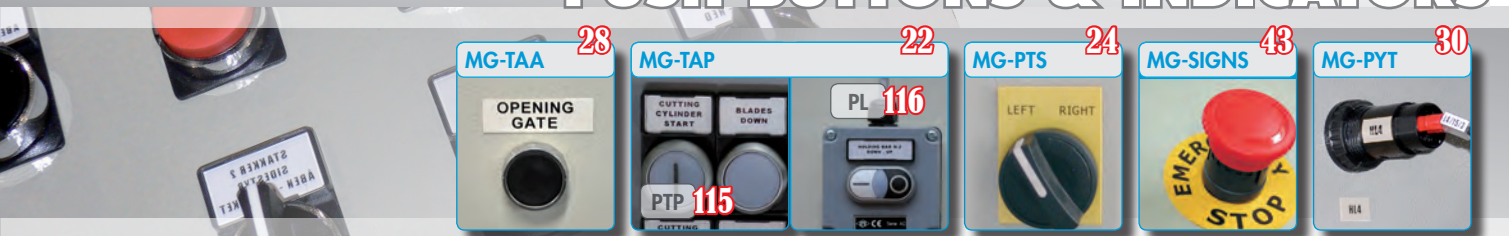
## TERMINAL BLOCKS



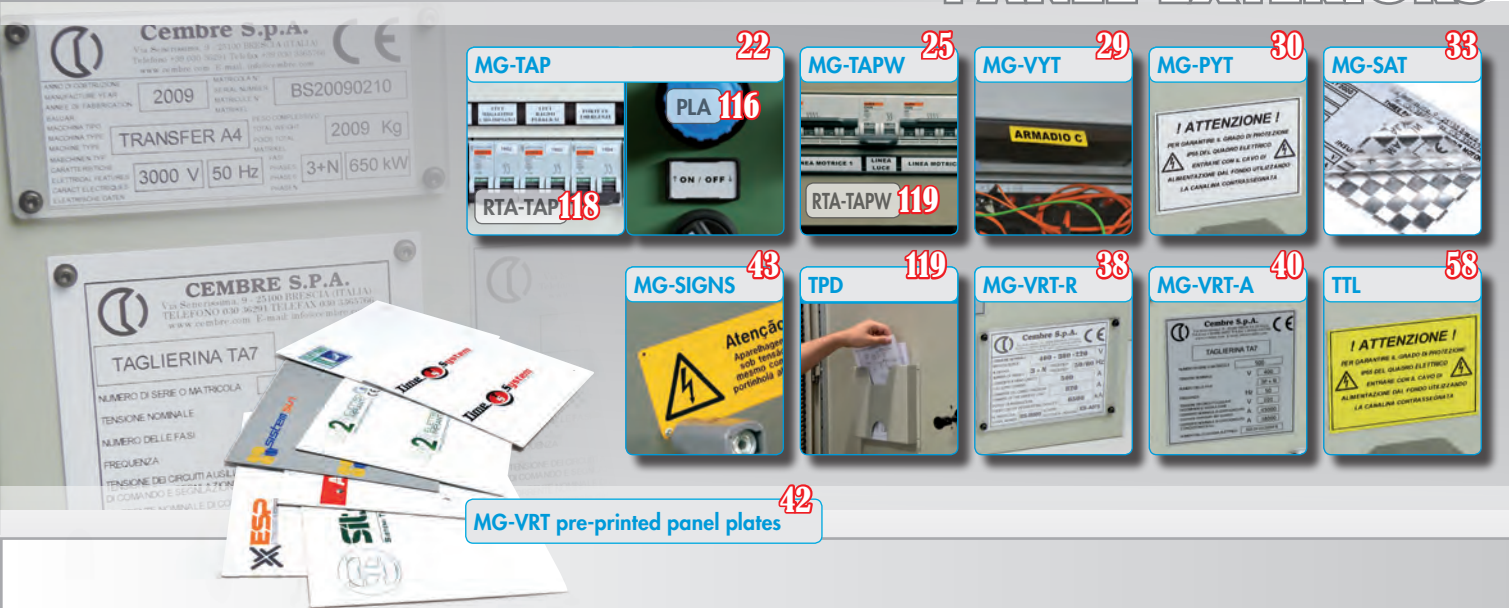
## CONNECTORS



## PUSH BUTTONS & INDICATORS



## PANEL EXTERIORS





**SPEED** - prints 112 MG-TPMF 4x10 cable tags in less than 12 seconds

**CONVENIENCE** - software provides quick and easy upload of the data to be printed

**ECONOMY** - prints around 300.000 MG-TPMF 4x10 cable tags with a single ribbon

**QUALITY** - printer resolution 300x600 dpi

*plug&play*

### THERMAL TRANSFER SYSTEM

MARKINGENIUS®MG3 has been exclusively designed by Cembre for the identification of conductors and electrical components.

MARKINGENIUS®MG3 is a high resolution plug&play printer based on thermal transfer technology, capable of producing tags for cables, pipes and tubes; terminal block markers and legends and labels for all electrical panels, components and equipment. All Cembre MG media can be printed with monocolour Windows True Type fonts at high speed.

MARKINGENIUS®MG3 will also reproduce Clipart images, drawings, barcodes and bit-maps down to very small sizes.

Compact, ergonomic, clean and quiet MARKINGENIUS®MG3 may be conveniently located in an office, like any other computer peripheral.

Each monochrome ribbon can print more than 300.000 MG-TPMF 4x10 mm cable tags with full printable surface coverage. Carriage loading and unloading operations are rapid; support templates are easily interchanged and as the pigment deposited from the ribbon dries instantaneously, printed sheets are immediately ready to use.

All ribbons, accessories and printable media are compatible with MG2 & MG3.



Free system life-time support & training is just a call or click away

### Simple printing procedure.....



Input data



Locate template and media on carriage



seconds

Print

Collect the printed markers

### ...and ribbon change

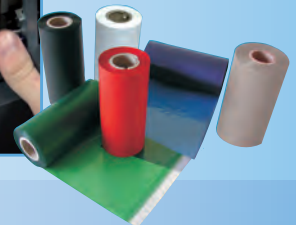


Insert the ribbon



Tension the ribbon

Lock the ribbon







# GENIUSPRO

## SOFTWARE FEATURES

- Easy data insertion
- More than ten types of counter
- \*.txt, \*.cad, \*.dbf, \*.xls and other file types can be imported
- MATRIX, ACS and Simplo conversion
- Spac, EPLAN, IGE-XAO and Excel importation
- Customisable print output filters
- Optimised printing of media for cables, terminal blocks, control gear, connectors, push buttons, components, panels and self adhesive labels
- All Windows fonts
- Designs customised media
- Vector, drawing and clip art printing
- Free upgrades with each release
- Help function

## MINIMUM SYSTEM REQUIREMENTS

- PC Processor Pentium®Dual-Core *inside™*
- 2 Gb RAM
- USB connection
- 2 Gb available hard disc space
- Video resolution 1280x1024
- Windows: XP (SP3), 7, 8 and 8.1
- Internet connection for software upgrade, remote access technical support and training



MG2 THERMAL TRANSFER

Free system life-time support & training  
**is just a call or click away**

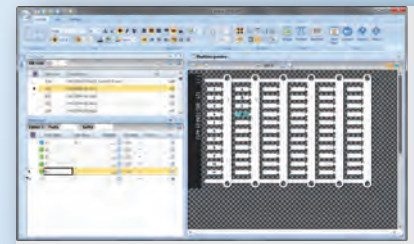
## SOFTWARE

A decade of experience and implementation with the market-leading Genius software has enabled Cembre to set the next bench-mark in powerful printing software - GENIUSPRO.

Simple and intuitive, GENIUSPRO requires the operator to have only basic computer skills in order to access its enhanced features - including a dynamic preview of full-size media providing immediate and accurate sight of the project in hand.

Made possible by the application of prestige software development tools, GENIUSPRO users are assured of increased capability and performance when printing text, symbols and images in colour and monochrome across the range of Cembre systems.

GENIUSPRO is compatible with MG2 & MG3.



Enter a product type or description.

Click here for support for MARKINGGenius®3 and Rolly2000 printers, GENIUSPRO software including manuals, upgrades, free software trials, user registration, licenses and remote assistance using Team-Viewer via the internet.



# PRINTER



## MARKINGENIUS® MG3

Thermal transfer printer

### The MG3 package comprises:

MG3 Printer (Dimensions: Length 382 mm, Width 230 mm, Height 221 mm - Weight: 9,6 kg  
Length 15.04 in., Width 9.05 in., Height 8.7 in. - Weight: 21.16 lbs.)

MG2- PWC 991000 Support template for tags (MG-TPM)

MG2- PLT 991002 Support template for legends, labels & signs and all serieFLAT media

MG2- QTB 991011 Support template for terminal block markers (MG-CPM-01,02,03,04,07)

Mains cable

USB cable

Protective cover MG2-COV 991680

Ribbon take up core MG2-CRB 991654

Black printer ribbon MG2-ETR 991600

Installation, Operating & maintenance and User documentation

GENIUSPRO - Software on CD (includes printer drivers, 30 day trial user licence and manual)



# RIBBONS

## MONOCHROME RIBBONS

Compatible with MG2 & MG3 printers



MG2-ETR monochrome ribbons are formulated to produce high quality print on a variety of materials while providing resistance to abrasion, chemicals, cleaning products and environmental agents (eg UV, humidity).  
Ribbon length 200m, width 120mm.

MG2-EPTR black ribbon has enhanced performance characteristics, details available on request.  
Length 300m, width 120mm.  
A smaller diameter rear tension roller is required for MG2 and MG3 and will be supplied to MG-EPTR users on request.

### MG2-ETR

Colour	Description	Code	Quantity
■ black	Reference Pantone® Black C	991600	1
■ blue	Reference Pantone® 2935 C	991601	1
■ red	Reference Pantone® 186 C	991602	1
■ green	Reference Pantone® 354 C	991603	1
■ silver		991607	1
■ white		991606	1

### MG2-EPTR premium

Colour	Description	Code	Quantity
■ black	Ref. Pantone® Black C	991611	1

The legibility of print produced on Cembre media by MG2-ETR and MG2-EPTR black ribbons meets the requirements of:

Norms	Description
EN ISO 4892-2	UV resistance
CEI 16-7	Resistance to abrasion and friction
CEI 16-7	Effect of ageing
CEI 23-11 / CEI EN 61058-1	Indelibility
CEI EN 61010-1 / VDE 0411-1	Indelibility
CEMBRE INTERNAL TEST	Indelibility
EN ISO 9227	Saline mist
CEI EN 60464-2	Resistance to solvent vapour
UNI EN ISO 175	Effect of immersion in liquid chemicals



# ACCESSORIES

## ACCESSORIES

compatible with MG2 & MG3 printers

Supplied with the printer, also available for purchase separately

Type	Description	Code	Quantity
<b>MG2-PWC</b>	Support template for cable tags MG-TPM	<b>991000</b>	1
<b>MG2-PLT</b>	Support template for legends, labels&signs and all serieFLAT media	<b>991002</b>	1
<b>MG2-QTB</b>	Support template for terminal block markers MG-CPM-01,-02,-03,-04,-07 and component markers MG-SPM-03	<b>991011</b>	1

Accessories & spare parts for purchase separately

Type	Description	Code	Quantity
<b>MG2-PTD</b>	Support template for cable tags MG-TDM 4x12mm	<b>991007</b>	1
<b>MG2-PTM</b>	Support template for cable tags MG2-TDMO & MG-TDM 4x16 mm	<b>991010</b>	1
<b>MG2-MTB</b>	Support template for terminal block markers MG-CPM-01 41094	<b>991008</b>	1
<b>MG2-WTB</b>	Support template for terminal block markers MG-CPM-05,-12	<b>991004</b>	1
<b>MG2-STB</b>	Support template for terminal block markers MG-CPM-06	<b>991005</b>	1
<b>MG2-LTB</b>	Support template for terminal block markers MG-CPM-09	<b>991013</b>	1
<b>MG2-CTB</b>	Support template for terminal block markers MG-CPM-10	<b>991006</b>	1
<b>MG2-ETB</b>	Support template for terminal block markers MG-CPM-13	<b>991016</b>	1
<b>MG2-PSP</b>	Support template for component markers MG-SPM-02	<b>991018</b>	1
<b>MG2-TTD</b>	PET blank for template MG2-PTD	<b>991563</b>	3
<b>MG2-TQT</b>	PET blank for template MG2-QTB	<b>991564</b>	3
<b>MG2-TWC</b>	PET blank for template MG2-PWC	<b>991502</b>	3
<b>MG2-TLT</b>	PET blank for template MG2-PLT	<b>991522</b>	3
<b>MG2-TMT</b>	PET blank for template MG2-MTB	<b>991513</b>	3
<b>MG2-TWT</b>	PET blank for template MG2-WTB	<b>991542</b>	3
<b>MG2-TST</b>	PET blank for template MG2-STB	<b>991552</b>	3
<b>MG2-TCT</b>	PET blank for template MG2-CTB	<b>991562</b>	3
<b>MG2-TTB</b>	PET blank for template MG2-ETB	<b>991512</b>	3
<b>MG2-TSP</b>	PET blank for template MG2-PSP	<b>991514</b>	3
<b>MG2-CKP</b>	Print head cleaning kit (template, pad & cleaning fluid)	<b>991670</b>	1
<b>MG2-CNP</b>	Replacement pads for MG2-CKP (5 pieces)	<b>992150</b>	1
<b>MG2-CHS</b>	Replacement spray for MG2-CKP	<b>991671</b>	1
<b>MG2-SPD1</b>	Ribbon feed spool for MG2-EPTR	-	1
<b>MG2-KDF</b>	Media guide	-	1
<b>VAL MG</b>	MARKINGENIUS transportation case with wheels	-	1

Support template



support + PET blank



VAL MG Transportation case

	MG2-PWC	MG2-PLT	MG2-QTB	MG2-PTD	MG2-PTM	MG2-WTB	MG2-STB	MG2-CTB	MG2-MTB	MG2-LTB	MG2-ETB	MG2-PSP
<b>MG-TPMF</b> serieFLAT tags for holders		•										
<b>MG-TPM</b> tags for holders	•											
<b>MG-TDM</b> tags without holders				4x12mm	4x16mm							
<b>MG2-TDMO</b> tags without holders					•							
<b>MG-ETF</b> tie-on tags		•										
<b>MG-KMP</b> wraparound cable markers		•										
<b>MG-CPM</b> terminal markers			•			•	•	•	•	•	•	
<b>MG-CPMF</b> terminal marker strips		•										
<b>MG-VYB</b> terminal labels		•										
<b>MG-SPM</b> component markers, push-in												•
<b>MG-TAP</b> legends, 15mm		•										
<b>MG-PTS</b> legends, 9mm		•										
<b>MG-TAPW</b> legends		•										
<b>MG-TAR</b> dog tags		•										
<b>MG-DOG</b> self adhesive legends		•										
<b>MG-TAA</b> self adhesive vinyl labels		•										
<b>MG-VYT</b> self adhesive vinyl labels		•										
<b>MG-VCT</b> self adhesive polyester labels		•										
<b>MG-PYT</b> security labels		•										
<b>MG-SAT</b> push button legends		•										
<b>MG-PLC</b> PLC tags		•										
<b>MG-17.5</b> modular legends and labels		•										
<b>MG-VRT</b> panel plates		•										
<b>MG-SIGNS</b> legends and signs		•										
<b>Please purchase separately</b>												

# MG-TPMF



SerieFLAT **MG-TPMF** tags are used for marking cables, conduit, tubes, conductors and components.

Presented in stem format, tags are simply snapped off their stems and inserted into the appropriate holders.

**Consult us for other colours.**

Note: UV resistance may vary between colours.

**Material:** Rigid PVC,  
self extinguishing class V0: UL 94

⚡ Operating temperature range  
 -30°C to +60°C  
 -22°F to +140°F

### Material-Halogen Free:

Polycarbonate,  
self extinguishing class V0 (UL 94)

⚡ Operating temperature range  
 -40°C to +130°C  
 -40°F to +266°F

Use the MG2-EPTR PREMIUM ribbon to print -HF items.

**Note: Use MG-TPMF tags only with PMF holders of the same length.**

Each individual tag and holder combination is easily detached from the stem for installation onto cable. The printed tag in its holder is perfectly protected against degradation by chemical and environmental agents over time.



## CABLE TAGS

precut 4mm push in markers, for PMF holders



Size mm	Code							Tags per sheet	Quantity	SW Code
	white	yellow	grey	red	blue	green	black			
<b>EASY ENTRY</b> 4x10	42090B	42040B	42000BGY	42020B	42060B	42050B	42010B	112	5.600	502
<b>EASY ENTRY</b> 4x12	42091B	42041B	42001BGY	42021B	42061B	42051B	42011B	80	4.000	505
<b>EASY ENTRY</b> 4x15	42092B	42042B						80	4.000	503
4x18	42094	42044						64	1.600	506
4x20	42093	42043		42023	42063			64	1.600	504
4x30	42096	42046		42026	42066	42056		48	1.200	509
<b>EASY ENTRY</b> 4x40	42097B	42047B						32	800	508



## MG-TPMF-HF Halogen Free

Size mm	Code			Tags per sheet	Quantity	SW Code
	white	yellow	metallic grey			
<b>EASY ENTRY</b> 4x10	42090B-HF	42040B-HF	42000B-HF	112	5.600	502
<b>EASY ENTRY</b> 4x12	42091B-HF	42041B-HF	42001B-HF	80	4.000	505
<b>EASY ENTRY</b> 4x15	42092B-HF	42042B-HF		80	4.000	503
4x18	42094-HF	42044-HF		64	1.600	506
4x20	42093-HF	42043-HF		64	1.600	504
4x30	42096-HF	42046-HF		48	1.200	509
<b>EASY ENTRY</b> 4x40	42097B-HF	42047B-HF		32	800	508



In preparation for installation onto cable, the tag stems are easily separated by breaking the appropriate joints.



MG-PMF holders can be pushed directly onto the tags without removing them from their stems and are firmly held in place.



Full stems of tags may be fitted with holders of various sizes appropriate to their individual destination cables.



use with

PMF tag holders	page 100
PMF-AC tag holders	106
PMF-ET tag holders	106

## CABLE TAGS

# MG-TPM



4mm push in markers, for PM holders

### Standard

Colour	Size mm	Code	Tags per sheet	Quantity	SW Code
□ white	4x10	<b>40090</b>	45	2.250	<b>1</b>
	4x12	<b>40091</b>	45	2.250	<b>2</b>
	4x15	<b>40092</b>	45	2.250	<b>3</b>
■ yellow	4x10	<b>*40040</b>	45	2.250	<b>1</b>
	4x12	<b>*40041</b>	45	2.250	<b>2</b>
	4x15	<b>*40042</b>	45	2.250	<b>3</b>

\*Made to order



### Halogen Free

Colour	Size mm	Code	Tags per sheet	Quantity	SW Code
□ white	4x10	<b>40090-HF</b>	45	2.250	<b>1</b>
	4x15	<b>40092-HF</b>	45	2.250	<b>3</b>

**MG-TPM** tags are used for marking cables, conduit, tubes and equipment.

Presented in stem format, tags are simply snapped off their stems and inserted into the appropriate holders.

**Material-Standard:** ABS  
 self extinguishing class V0 (UL 94)

⚡ Operating temperature range  
 -30°C to +80°C  
 -22°F to +176°F

#### Material-Halogen Free:

Polycarbonate,  
 self extinguishing class V0 (UL 94)

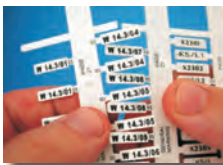
⚡ Operating temperature range  
 -40°C to +130°C  
 -40°F to +266°F

Use the MG2-EPTR PREMIUM ribbon to print -HF items.

**Note: use MG-TPM tags only with PM holders of the same length.**



MG-TPM tags can be printed in various fonts: the stems can be printed with job details for easy reference. The corresponding type of holder can also be printed next to each marker to assist installation.



Tag stems are easily separated by breaking the joined ends.



PM holders can then be pushed directly onto the tags without removing them from the stems in preparation for later transfer to cables.



For more efficient working, stems can be cable tied together, using the holes provided.

#### use with

PM tag holders	page 102
PM-L tag holders light	105
PM-AC tag holders	107
PM-ET tag holders	107
PM-DT tag holders	107



# MG-TDM



## CABLE TAGS

one piece, push-on, without holder

**MG-TDM-01** Cable ext. Ø range 1,6 ÷ 3,25mm (0,06 ÷ 0,12 in.)  
Cable c.s.a range\* 0,5 ÷ 1,5mm<sup>2</sup> (20 ÷ 15 AWG)

Colour	Size mm	Code	Tags per sheet	Quantity	SW Code
☐ white	4 x 12	<b>40190</b>	66	1.320	<b>121</b>
	4 x 16	<b>40191</b>	40	800	<b>123</b>
☐ yellow	4 x 12	<b>40140</b>	66	1.320	<b>121</b>
	4 x 16	<b>40141</b>	40	800	<b>123</b>

**MG-TDM-02** Cable ext. Ø range 2 ÷ 4,4mm (0,07 ÷ 0,17 in.)  
Cable c.s.a range\* 1 ÷ 6mm<sup>2</sup> (17 ÷ 10 AWG)

☐ white	4 x 12	<b>40290</b>	66	1.056	<b>122</b>
	4 x 16	<b>40291</b>	40	640	<b>124</b>
☐ yellow	4 x 12	<b>40240</b>	66	1.056	<b>122</b>
	4 x 16	<b>40241</b>	40	640	<b>124</b>

**MG-TDM** one piece tags require no transparent holders and are mounted on cables via the two range-taking apertures.

Each sheet of media takes around 10 seconds to print.

Tags are easily removed from the stems and partially printed sheets may be re-used to avoid wastage.

**Material:** Polycarbonate, Halogen Free, self extinguishing according to class V0: UL 94

⚡ Operating temperature range  
 -40°C to +130°C  
 -22°F to +266°F

\*It is advisable to select the tag based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.



66 4x12 mm tags per sheet



### USE

Directly on cables according to the diameter ranges shown in the table.

No transparent holders required

Print with:

page

**MG2-PTD** MG2 support template for 4x12mm tags 9

**MG2-PTM** MG2 support template for 4x16mm tags 9



## CABLE TAGS

one piece, clip-on, without holder

### MG2-TDMO-01 Cable ext. Ø range 2 ÷ 2,9 mm (0,07 ÷ 0,11 in.) Cable c.s.a range\* 0,5 ÷ 1,5 mm<sup>2</sup> (20 ÷ 15 AWG)

Colour	Size mm	Code	Tags per sheet	Quantity	SW Code
□ white	4 x 12	40390	40	880	125
	4 x 16	40391	40	880	128
■ yellow	4 x 12	40340	40	800	125
	4 x 16	40341	40	800	128

### MG2-TDMO-02 Cable ext. Ø range 2,9 ÷ 3,5 mm (0,11 ÷ 0,13 in.) Cable c.s.a range\* 1,5 ÷ 2,5 mm<sup>2</sup> (15 ÷ 13 AWG)

□ white	4 x 12	40490	40	640	126
	4 x 16	40491	40	640	129
■ yellow	4 x 12	40440	40	640	126
	4 x 16	40441	40	640	129

### MG2-TDMO-03 Cable ext. Ø range 4 ÷ 4,6 mm (0,15 ÷ 0,18 in.) Cable c.s.a range\* 4 ÷ 6 mm<sup>2</sup> (12 ÷ 11 AWG)

□ white	4 x 12	40590	40	560	127
	4 x 16	40591	40	560	130
■ yellow	4 x 12	40540	40	560	127
	4 x 16	40541	40	560	130

\*It is advisable to select the tag based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.


# MG2-TDMO

MG2-TDMO one piece tags require no transparent holders and are mounted on cables via the two range-taking apertures.

Each sheet of media has 40 tags and takes around 10 seconds to print.

Tags are easily removed from the stems and partially printed sheets may be re-used to avoid wastage.

**Material:** Polycarbonate, Halogen Free, self extinguishing according to class V0: UL 94

 Operating temperature range  
 -40°C to +130°C  
 -22°F to +266°F

**RETROFIT?  
INDISPENSABLE!**



#### USE

Directly on cables according to the diameter ranges shown in the table. No transparent holders required.

Print with:

page

MG2-PTM MG2 support template

9



# MG-ETF



## CABLE & CONDUIT TAGS

precut, one piece markers, tie-on



Cable tie max width 4,8mm. Print area 11x35 mm

Colour	Size mm	Code	Tags per sheet	Quantity	SW Code
<input type="checkbox"/> white	13 x 57	54192	14	700	581
<input checked="" type="checkbox"/> yellow	13 x 57	54142	14	700	581
<input type="checkbox"/> grey	13 x 57	54182GY	14	700	581
<input checked="" type="checkbox"/> red	13 x 57	54122	14	700	581
<input checked="" type="checkbox"/> blue	13 x 57	54162	14	700	581
<input checked="" type="checkbox"/> green	13 x 57	54152	14	700	581
<input checked="" type="checkbox"/> black	13 x 57	54102	14	700	581

Cable tie max width 4,8 mm. Print area 8x22 mm

<input type="checkbox"/> white	20 x 26	54291	15	750	583
<input checked="" type="checkbox"/> yellow	20 x 26	54241	15	750	583

Cable tie max width 4,8 mm. Print area 15x18 mm

<input type="checkbox"/> white	20 x 27	54191N	15	1.000	582
<input checked="" type="checkbox"/> yellow	20 x 27	54141N	15	1.000	582

Cable tie max width 4,8 mm. Print area 26x35 mm

<input type="checkbox"/> white	28 x 57	54197	6	300	591
<input checked="" type="checkbox"/> yellow	28 x 57	54147	6	300	591
<input type="checkbox"/> grey	28 x 57	54187	6	300	591
<input checked="" type="checkbox"/> blue	28 x 57	54167	6	300	591
<input checked="" type="checkbox"/> green	28 x 57	54157	6	300	591

MG-ETF tags are used with cable ties for marking large diameter cables, hoses, tubes and conduit.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.

**Material:** Rigid PVC,  
self extinguishing class V0: UL 94

⌚ Operating temperature range  
-30°C to +60°C  
-22°F to +140°F



# MG-ETF-HF



## CABLE & CONDUIT TAGS

Cable tie max width 4,8mm. Print area 11x35 mm

Colour	Size mm	Code	Tags per sheet	Quantity	SW Code
<input type="checkbox"/> white	13 x 57	54192-HF	14	700	581
<input checked="" type="checkbox"/> yellow	13 x 57	54142-HF	14	700	581
<input type="checkbox"/> grey	13 x 57	54182-HF	14	700	581
<input checked="" type="checkbox"/> red	13 x 57	54122-HF	14	700	581
<input checked="" type="checkbox"/> blue	13 x 57	54162-HF	14	700	581
<input checked="" type="checkbox"/> green	13 x 57	54152-HF	14	700	581
<input checked="" type="checkbox"/> brown	13 x 57	54172-HF	14	700	581
<input checked="" type="checkbox"/> black	13 x 57	54102-HF	14	700	581

Cable tie max width 4,8mm. Print area 26x35 mm

<input type="checkbox"/> white	28 x 57	54197-HF	6	300	590
<input checked="" type="checkbox"/> yellow	28 x 57	54147-HF	6	300	590
<input checked="" type="checkbox"/> red	28 x 57	54127-HF	6	300	590
<input checked="" type="checkbox"/> blue	28 x 57	54167-HF	6	300	590
<input checked="" type="checkbox"/> orange	28 x 57	54137-HF	6	300	590

MG-ETF-HF tags are used with cable ties for marking large diameter cables, hoses, tubes and conduit.

Note: UV resistance may vary between colours.

**Material:** Polycarbonate, Halogen Free, self extinguishing according to class V0: UL 94

⌚ Operating temperature range  
-40°C to +130°C  
-22°F to +266°F

Use the MG2-EPTR PREMIUM ribbon to print -HF items.



USE

Directly on cables using appropriate cable ties, see page 110







## WRAPAROUND CABLE MARKERS

self adhesive, precut

### MG-KMP 038 Wrapping diameter 4,3 ÷ 7 mm. Overall length A: 38 mm

Colour	Print area CxB mm	Code	Markers per sheet	Quantity	SW Code
□ white	10x15	48950-015	12	600	301
	10x23	48950-023	8	400	302
■ yellow	10x15	48450-015	12	600	301
	10x23	48450-023	8	400	302

### MG-KMP 050 Wrapping diameter 6 ÷ 10 mm. Overall length A: 50 mm

□ white	15x15	48951-015	12	600	303
	15x23	48951-023	8	400	304
■ yellow	15x15	48451-015	12	600	303
	15x23	48451-023	8	400	304

### MG-KMP 075 Wrapping diameter 8 ÷ 14 mm. Overall length A: 75 mm

□ white	25x15	48952-015	6	300	305
	25x23	48952-023	4	200	306
■ yellow	25x15	48452-015	6	300	305
	25x23	48452-023	4	200	306

### MG-KMP 100 Wrapping diameter 12 ÷ 20 mm. Overall length A: 100 mm

□ white	25x15	48953-015	6	300	310
	25x23	48953-023	4	200	311
■ yellow	25x15	48453-015	6	300	310
	25x23	48453-023	4	200	311

### MG-KMP 135 Wrapping diameter 20 ÷ 25 mm. Overall length A: 135 mm

□ white	50x50	48955-050	2	100	312
---------	-------	-----------	---	-----	-----

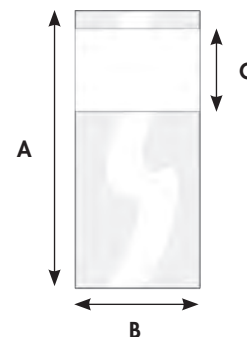
# MG-KMP

MG-KMP wraparound cable markers are suitable for identifying large diameter cables, tubes and conduit. MARKINGenius® printing is exceptionally clear and legible and is protected from chemical and atmospheric agents.

**Material:** PVC film. Resistant to water, oil, grease, alcohol, detergent, alkaline substances and atmospheric agents.

Self extinguishing, high resistance to UV radiation

Operating temperature range  
 -30°C to +70°C  
 -22°F to +158°F  
 Application temperature  
 +10°C to +40°C  
 +50°F to +104°F



WRAPAROUND, SELF ADHESIVE CABLE MARKERS PROVIDE A FAST, ECONOMICAL AND EFFICIENT WAY OF IDENTIFYING LARGE DIAMETER CONDUCTORS



PRINT



HOLD



POSITION



FIX



WRAP

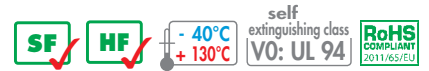
MARKINGenius® and MG-KMP produce indelible printed marking, protected from water, alcohol, grease, solvents, etc.

#### use

Directly on cables, etc in accordance with wrapping diameter limitations shown for each size.



# MG-CPM

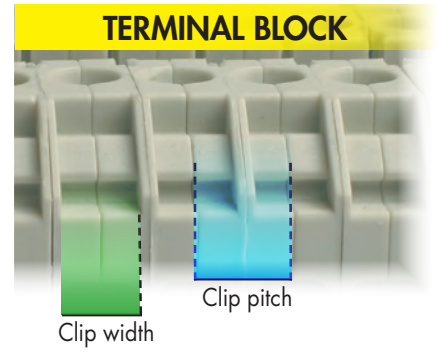


## TERMINAL BLOCK MARKERS

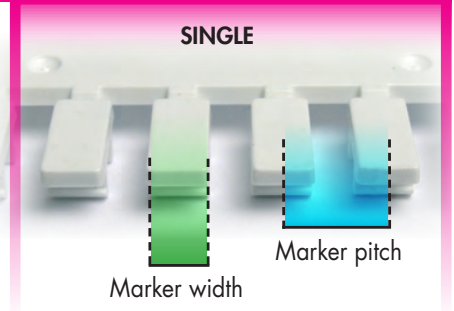
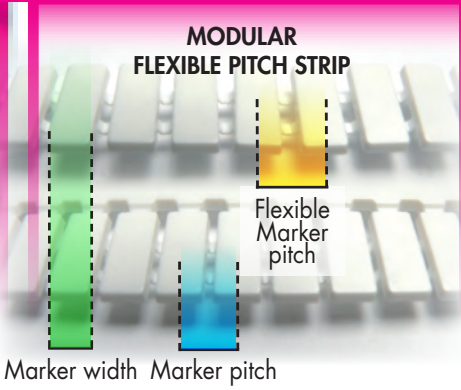
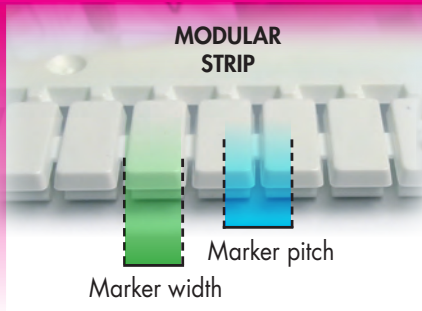
MG-CPM terminal block markers are available in versions to suit the particular clip formats of the most widely used products.

**Material:** Polycarbonate, Halogen Free self extinguishing according to class V0: UL 94

⊕: Operating temperature range  
 -40°C to +130°C  
 -40°F to +266°F



## MARKERS



- A strip of joined markers is removed from the stem.
- Without separation, markers are clipped into terminals by light finger pressure.
- The terminal block is marked quickly and conveniently.

- A strip of joined markers is removed from the stem.
- Manually extend the strip length by pulling it until the desired pitch is reached.
- Clip the strip directly into the terminal blocks by light finger pressure.

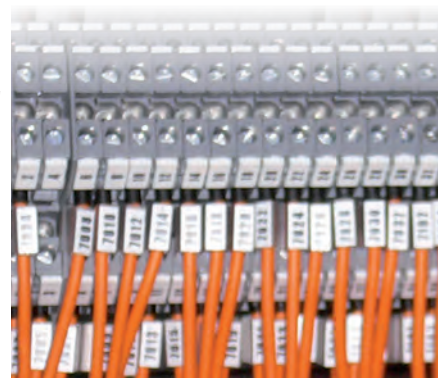
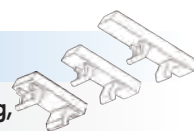
- Without removal from the stem, markers are clipped into terminals by light finger pressure.
- Bend the stem upwards to detach it from the markers.
- Carefully remove the stem, leaving the markers in situ.

SUPPORT TEMPLATE							
MARKERS	MG2-QTB 991011	MG2-MTB 991008	MG2-WTB 991004	MG2-STB 991005	MG2-CTB 991006	MG2-LTB 991013	MG2-ETB 991016
MG-CPM-01	✓						
MG-CPM-01 (5x7mm)		✓					
MG-CPM-02	✓						
MG-CPM-03	✓						
MG-CPM-04	✓						
MG-CPM-05			✓				
MG-CPM-06				✓			
MG-CPM-07	✓						
MG-CPM-09						✓	
MG-CPM-10					✓		
MG-CPM-11	✓						
MG-CPM-12			✓				
MG-CPM-13							✓

PLEASE PURCHASE SEPARATELY

## MG-CPM-01

For Weidmüller, IMO, ABB Entelec, Wago, Allen Bradley, Conta-clip, Harting, Morsettitalia, Woertz, Connectwell



MG-CPM terminal block markers are available in versions to suit the particular clip formats of the most widely used products.

Depending on type, markers are presented as joined strips at a set or flexible pitch or as separate markers for convenient individual insertion on mixed pitch terminal block assemblies.

MG-CPM markers provide an elevated mechanical robustness, high dimensional stability and are Halogen Free.

Printing a complete sheet of MG-CPM markers on MARKINGenius® thermal transfer printers takes around 10 seconds, while to optimise application time, additional data - job details, location, etc - may be printed on the stems. Part-used sheets are easily accommodated to avoid wastage.

Colour	Pitch mm	Size mm	Application	Code	Markers per sheet	Quantity	SW Code	Use template MG2-
<input type="checkbox"/> white	3,5	3x10	single	<b>41092</b>	80	2.000	<b>15</b>	<b>QTB</b>
	5,1	5x7	single	<b>41094</b>	56	1.960	<b>13</b>	<b>MTB</b>
	5,1	5x10	single	<b>41090N</b>	56	1.960	<b>14</b>	<b>QTB</b>
	8	5x15	single	<b>**41091</b>	32	1.120	<b>12</b>	<b>QTB</b>
	5,1	5x15	single	<b>**41091N</b>	48	1.680	<b>16</b>	<b>QTB</b>
<b>NEW</b>	8	8x10	single	<b>41096</b>	32	1.120	<b>18</b>	<b>QTB</b>
<input type="checkbox"/> yellow	5,1	5x7	single	<b>*41044</b>	56	1.960	<b>13</b>	<b>MTB</b>
	5,1	5x10	single	<b>*41040N</b>	56	1.960	<b>14</b>	<b>QTB</b>

\*\* Offset

## MG-CPM-02

For Weidmüller WDK & WDU, Allen Bradley, Conta Clip, ABB Entelec, Wago, Woertz



<input type="checkbox"/> white	8	5x10	single	<b>41190</b>	32	1.120	<b>21</b>	<b>QTB</b>
	5,1	5x10	single	<b>41190N</b>	48	1.680	<b>22</b>	<b>QTB</b>
<input type="checkbox"/> yellow	8	5x10	single	<b>*41140</b>	32	1.120	<b>21</b>	<b>QTB</b>
	5,1	5x10	single	<b>*41140N</b>	48	1.680	<b>22</b>	<b>QTB</b>

## MG-CPM-03

For Wago, ABB Entelec, Cabur, Phoenix Contact, Connectwell



<input type="checkbox"/> white	5	5x10	single	<b>41291</b>	56	1.960	<b>25</b>	<b>QTB</b>
	5	5x10	modular	<b>41293</b>	56	1.960	<b>25</b>	<b>QTB</b>

## MG-CPM-04

For Phoenix Contact UK, UT & ST (front mounting), Connectwell, Siemens 8WH (clamp, front mounting), Cabur, ABB Entelec, Wago, Harting



<input type="checkbox"/> white	3,5	3x10	single	<b>41392</b>	80	2.000	<b>43</b>	<b>QTB</b>
	5,2	5x10	single	<b>41390N</b>	48	1.680	<b>42</b>	<b>QTB</b>
	5,2	5x10	modular	<b>41395</b>	48	1.680	<b>31</b>	<b>QTB</b>
	6	6x10	modular	<b>41391</b>	48	1.344	<b>45</b>	<b>QTB</b>
<b>NEW</b>	8	8x10	modular	<b>41396</b>	32	1.120	<b>48</b>	<b>QTB</b>
<input type="checkbox"/> yellow	5,2	5x10	single	<b>*41340N</b>	48	1.680	<b>42</b>	<b>QTB</b>

## MG-CPM-05

For Wieland, Telemecanique, Legrand clamp, Merlin Gerin MCB ST



<input type="checkbox"/> white	5	5x10	single	<b>41490</b>	56	1.960	<b>51</b>	<b>WTB</b>
	5	5x10	modular	<b>41494</b>	56	1.960	<b>51</b>	<b>WTB</b>

\*Made to order

Other markers for terminal block accessories, see cross reference chart (page 134)

### USE

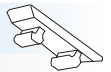
Directly on terminal blocks using the rear mounted clips.



## TERMINAL BLOCK MARKERS

### MG-CPM-06

For Siemens 8WA screw



Colour	Pitch mm	Size mm	Application	Code	Markers per sheet	Quantity	SW Code	Use template MGZ-
<input type="checkbox"/> white	6	5x10	single	41591	44	1.540	61	STB

### MG-CPM-07

For Phoenix Contact ST, STU, STS, STI, STN, STTB, Siemens 8WH screw, Schlegel



<input type="checkbox"/> white	5,2	5x10	single	41691	48	1.680	71	QTB
--------------------------------	-----	------	--------	-------	----	-------	----	-----

### MG-CPM-09

For Legrand Viking 3



<input type="checkbox"/> white	5÷6	5x10	modular	41890	56	1.960	92	LTB
--------------------------------	-----	------	---------	-------	----	-------	----	-----

### MG-CPM-10

For Cabur, Connectwell



<input type="checkbox"/> white	5,5	5x12	single	46192	48	1.680	101	CTB
--------------------------------	-----	------	--------	-------	----	-------	-----	-----

### MG-CPM-11

For Allen Bradley, Weidmüller WDU, Conta-clip RK, IMO, Finder, Omron



<input type="checkbox"/> white	6,1	6x12	single	46392	48	1.344	106	QTB
<input type="checkbox"/> yellow	6,1	6x12	single	46342	48	1.344	106	QTB

### MG-CPM-12

For Wago Top Job, ABB Entelec, Cabur, Weidmüller, Connectwell, Morsettitalia, Beckoff I/O



<input type="checkbox"/> white	5÷6	4,2x6	modular	46391	56	1.960	111	WTB
	5÷6	4,2x9	modular	46390	56	1.960	112	WTB

### MG-CPM-13

For ABB Entelec SNK ZS



<input type="checkbox"/> white	5,2	5x12	single	41790	56	1.960	113	ETB
	6	6x12	single	41791	48	1.680	114	ETB
<input type="checkbox"/> yellow	5,2	5x12	single	*41740	56	1.960	113	ETB
	6	6x12	single	*41741	48	1.680	114	ETB

\*Made to order

#### USE

Directly on terminal blocks using the rear mounted clips.

**USE DIRECTLY ON TERMINAL BLOCKS**

## TERMINAL BLOCK MARKER STRIPS

# MG-CPMF

serie **FLAT**

precut

For Wago 264 THICKNESS: — 0,3 mm

Colour	Size mm	Code	Strips per sheet	Quantity	SW Code
<input type="checkbox"/> white	4,6x118	43095	6	300	547
<input checked="" type="checkbox"/> yellow	4,6x118	43045	6	300	547

For ABB Entelec D THICKNESS: — 0,3 mm

<input type="checkbox"/> white	5,2x105	43094	20	1.000	551
<input checked="" type="checkbox"/> yellow	5,2x105	43044	20	1.000	551

For Phoenix Contact ST

<input type="checkbox"/> white	6,3x105	43092	15	750	553
<input checked="" type="checkbox"/> yellow	6,3x105	43042	15	750	553

For ABB Entelec M6/9EE, front mounting

<input type="checkbox"/> white	7,6x105	43091	12	600	552
<input checked="" type="checkbox"/> yellow	7,6x105	43041	12	600	552

For Phoenix Contact PIT

<input type="checkbox"/> white	9,8x105	43097N	11	550	549
<input checked="" type="checkbox"/> yellow	9,8x105	43047N	11	550	549


For ABB Entelec M6/9EE, lateral mounting and STF brackets (see page 20)

<input type="checkbox"/> white	10x105	43090	10	500	530
<input checked="" type="checkbox"/> yellow	10x105	43040	10	500	530

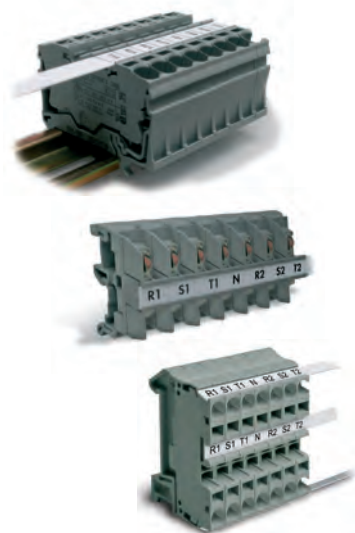
For Wago Top Job 2001, 2002, 2004, 2006, 2010, 2016

<input type="checkbox"/> white	10,5x105	43093	10	500	554
<input checked="" type="checkbox"/> yellow	10,5x105	43043	10	500	554

**Material:** Rigid PVC, self extinguishing class VO: UL 94

 Operating temperature range  
 -30°C to +60°C  
 -22°F to +140°F

Other markers for terminal block accessories, see cross reference chart (page134)



**SELF ADHESIVE**

## SELF ADHESIVE MARKER STRIP MG-CPMFA


For ABB Entelec SNK

<input type="checkbox"/> white	12x105	43196N	8	400	932
<input checked="" type="checkbox"/> yellow	12x105	43146N	8	400	932

**SELF ADHESIVE**

## SELF ADHESIVE MARKER LABELS MG-CPMFA

**Material:** PVC film

 Operating temperature range  
 -30°C to +70°C  
 -22°F to +158°F  
 Application temperature  
 +10°C to +40°C  
 +50°F to +104°F

PVC film self adhesive overlay strip for STF brackets (see page 20)

<input type="checkbox"/> white	10x105	46990	10	100	530
<input checked="" type="checkbox"/> yellow	10x105	46940	10	100	530

Use

Directly on terminal blocks



# MG-VYB



**Material:** PVC film

Operating temperature range  
 -30°C to +70°C  
 -22°F to +158°F  
 Application temperature  
 +10°C to +40°C  
 +50°F to +104°F

Other markers for terminal block accessories, see cross reference chart (page 134)

# STF



EXCELLENT LEGIBILITY

MG2 and MG3 highest quality print is presented in the most easy to read traditional orientation for terminal markers.

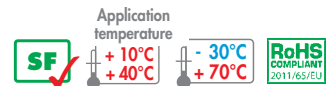
QUICK AND EASY PRINTING

GENIUSPRO software provides easily selectable, preset pitch formats to suit a wide variety of the leading brands and ranges of terminal blocks.

A complete sheet of marker strips with up to 260 markers at 4mm pitch is printed in 10 seconds.

**Material:** Polyamide PA6.6, self-extinguishing class V0: UL 94

Other markers for terminal block accessories, see cross reference chart (page 134)



## TERMINAL BLOCK MARKER LABELS

precut, self adhesive

USE DIRECTLY ON TERMINAL BLOCKS

For printed circuit terminal blocks and other components

Colour	Size mm	Code	Strips per sheet	Quantity	SW Code
<input type="checkbox"/> white	4x105	16092N	10	500	556
<input checked="" type="checkbox"/> yellow	4x105	16042N	10	500	556

For Weidmüller SAK

<input type="checkbox"/> white	5,2x105	16091	20	1.000	557
<input checked="" type="checkbox"/> yellow	5,2x105	16041	20	1.000	557

For WAGO 260, 261, 262

<input type="checkbox"/> white	7x105	16090	14	700	558
<input checked="" type="checkbox"/> yellow	7x105	16040	14	700	558



## BRACKETS FOR TERMINAL BLOCK MARKER STRIPS

for strips 10x105 mm MG-CPMF & MG-CPMFA

Colour	Code	Application	Quantity
<input checked="" type="checkbox"/> grey RAL 7035	STF-01 42801	Weidmüller SAK & WDU	500
	STF-03 42803	Wago (front mounting)	500
	STF-04 42804	Wago (lateral mounting), Phoenix Contact UK, Siemens BWA 1, ABB Entelec MA	500
	STF-05 42805	Wieland WK & WKF, Telemecanique	500
	STF-10 42810	Cabur CBD & HMM	500

Print quality:

Brand	Terminal blocks	Pitch mm	Markers per strip	Markers per sheet
Wago	279-621	4	26	260
Weidmüller	SAK 2,5 N	5	21	210
Phoenix Contact	UK 2,5 N	5,2	20	200
Cabur	CBD.2/4	5,5	19	190
Telemecanique	AB1-W435U	6	17	170

use

Directly on terminal blocks

## COMPONENT MARKERS, PUSH-IN

for the leading brands and types

### MG-SPM-02 for Siemens Sirius

Colour	Size mm	Code	Markers per sheet	Quantity	SW Code	Use template MG2-
<input type="checkbox"/> white	7x20	43291	12	360	142	PSP

### MG-SPM-03 for Siemens and Klockner Moeller

Colour	Size mm	Code	Markers per sheet	Quantity	SW Code	Use template MG2-
<input type="checkbox"/> white	9x19	32291	12	360	143	QTB

# MG-SPM



MG-SPM markers are available in versions to suit the particular clip formats of the most widely used contactors, relays, drives, valves and other panel mounting components.

**Material:** Polycarbonate, Halogen Free, self extinguishing according to class V0: UL 94

 Operating temperature range  
 -40°C to +130°C  
 -40°F to +266°F



#### USE

Directly on components with suitable clip-in locations



# MG-TAP



## LEGENDS

### 15mm precut

Size mm	Code								Legends per sheet	Quantity	SW Code
	white	yellow	grey*		red	blue	green	black			
15x17	47090N	47040N	47000N	GY -HF	47020N	47060N	47050N	47010N	42	1.050	165
15x27	47091N	47041N	47001N	GY -HF	47021N	47061N	47051N	47011N	28	1.400	166
15x32	47098								21	1.050	352
15x43	47198								14	700	353
15x49	47092N	47042N	47002N	GY -HF	47022N	47062N	47052N	47012N	14	700	167
15x67	47093N	47043N	47003N	GY -HF	47023N	47063N	47053N	47013N	7	350	168

MG-TAP legends are particularly versatile for identifying cables, conduit, push buttons, machinery, components, etc.

Use MG2-EPTR PREMIUM ribbon to print HF (Halogen Free) items.

For other 15mm precut media see MG-17.5 range on page 34.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.

**Material:** Rigid PVC,  
self extinguishing class VO: UL 94

⚡ Operating temperature range  
-30°C to +60°C  
-22°F to +140°F

**Material-Halogen Free:**

Polycarbonate,  
self extinguishing class V0 (UL 94)

⚡ Operating temperature range  
-40°C to +130°C  
-40°F to +266°F

Use the MG2-EPTR PREMIUM ribbon to print -HF items.

#### Only for Siemens push button base type 3SB39 25-0AV

17,5x27,8	47094		47004	GY -HF					24	1.200	175
-----------	-------	--	-------	--------	--	--	--	--	----	-------	-----

#### Only for Telemecanique push button base type ZBZ-32

8,2x27	47096	47046	47006	GY -HF	47026			47016	44	2.200	807
--------	-------	-------	-------	--------	-------	--	--	-------	----	-------	-----

#### Only for Telemecanique push button bases type ZBZ-33 & ZBZ-35 & Moeller type M22S-ST-X

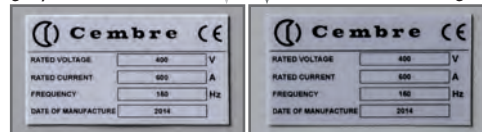
18x27	47097	47047	47007	GY -HF	47027			47017	20	1.000	178
-------	-------	-------	-------	--------	-------	--	--	-------	----	-------	-----

#### Only for Allen Bradley push button bases

6,4x27,3	47790		47700	GY -HF					56	1.400	715
16,3x27,3	47791		47701	GY -HF					24	1.200	716

grey

metallic grey



#### use with

PMT-AC legend holders	page 108
PMT-ET legend holders	108
PMT-DT legend holders	108
PTP push button legend bases	115
PL legend bases	116
RTR-TAP & RTA-TAP legend rails	118



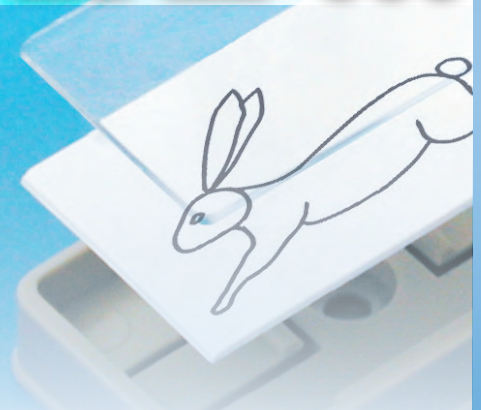


# MG-TAP-CCS

## TRANSPARENT LEGENDS

15mm precut, for legend bases


Colour	Size mm	Code	Legends per sheet	Quantity	SW Code
<input checked="" type="checkbox"/> transparent	15x17	<b>990508</b>	36	900	<b>165</b>
	15x27	<b>990510</b>	24	1.200	<b>166</b>
	17,5x27,8	<b>990499</b>	24	1.200	<b>175</b>
	15x49	<b>990513</b>	12	600	<b>167</b>
	15x67	<b>990514</b>	6	300	<b>168</b>

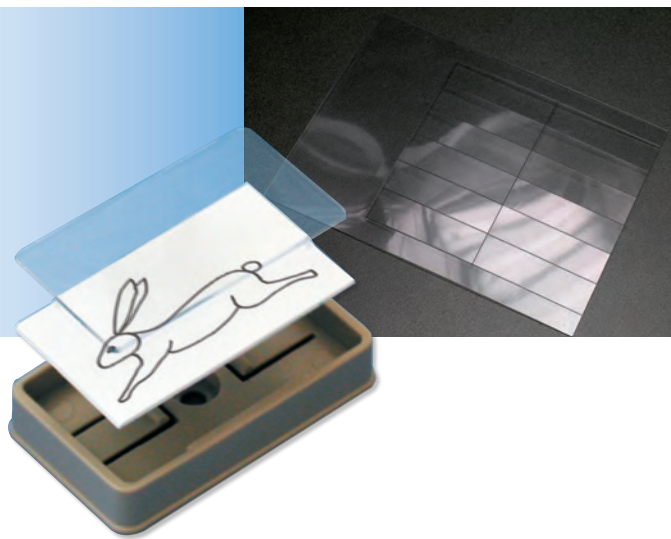


**MG-TAP-CCS** transparent legends may be printed or used as protective covers for MG-TAP or TAP legends, PT and PL type legend bases and RT-TAP rail.

Note: UV resistance may differ to colours.

**Material:** Rigid PVC,  
self extinguishing class VO: UL 94

 Operating temperature range  
 - 30°C to + 60°C  
 - 22°F to + 140°F

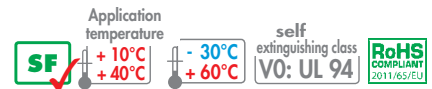


### use with

MG-TAP legend 15mm	page 22
PTP push button legend bases	115
PL legend bases	116
RTR-TAP & RTA-TAP legend rails	118



# MG-PTS



LEFT RIGHT

Push-out the Ø 22.5 or 31 mm blank to locate and secure the legend behind the manual operator head.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.

Material: Rigid PVC,  
self extinguishing class VO: UL 94

Operating temperature range  
-30°C to +60°C  
-22°F to +140°F  
Application temperature  
+10°C to +40°C  
+50°F to +104°F



## PUSH BUTTON LEGENDS

precut

### MG-PTS

Colour	Size mm	Code	Ø hole mm	Legends per sheet	Quantity	SW Code
white	39x30	15092	22,5	6	300	1002
	40x30	15090	22,5	6	300	1000
	50x30	15091	22,5	6	300	1001
yellow	39x30	15042	22,5	6	300	1002
	40x30	15040	22,5	6	300	1000
	50x30	15041	22,5	6	300	1001
grey	39x30	15082GY	22,5	6	300	1002
	40x30	15080GY	22,5	6	300	1000
	50x30	15081GY	22,5	6	300	1001
red	39x30	15022	22,5	6	300	1002
	40x30	15020	22,5	6	300	1000
black	39x30	15002	22,5	6	300	1002
	40x30	15000	22,5	6	300	1000
	50x30	15001	22,5	6	300	1001

## SELF ADHESIVE PUSH BUTTON LEGENDS

SELF ADHESIVE

### MG-PTSA

white	39x30	15192	22,5	6	150	1002
	40x30	15190	22,5	6	150	1000
	50x30	15191	22,5	6	150	1001
yellow	40x30	15140	22,5	6	150	1000
	50x30	15141	22,5	6	150	1001
grey	40x30	15180GY	22,5	6	150	1000
	50x30	15181GY	22,5	6	150	1001
red	39x30	15122	22,5	6	150	1002
	40x30	15120	22,5	6	150	1000
black	39x30	15102	22,5	6	150	1002
	40x30	15100	22,5	6	150	1000
	50x30	15101	22,5	6	150	1001

# MG2-PTS

## PUSH BUTTON LEGENDS

### MG2-PTS

white	60x62	15094	31	4	200	1003
yellow	60x62	15044	31	4	200	1003
grey	60x62	15084GY	31	4	200	1003
red	60x62	15024	31	4	200	1003
blue	60x62	15064	31	4	200	1003
black	60x62	15004	31	4	200	1003

## SELF ADHESIVE PUSH BUTTON LEGENDS

SELF ADHESIVE

### MG2-PTSA

white	60x40	15197	31	4	100	1005
	60x62	15194	31	4	100	1003
yellow	60x62	15144	31	4	100	1003
grey	60x62	15184GY	31	4	100	1003
red	60x62	15124	31	4	100	1003
blue	60x62	15164	31	4	100	1003
black	60x62	15104	31	4	100	1003

USE

Direct application to suitable surfaces.



# MG-TAPW

## LEGENDS

9mm precut

Colour	Size mm	Code	Application	Legends per sheet	Quantity	SW Code
□ white	9x12	<b>49092N</b>		88	2.200	<b>360</b>
	9x15	<b>49093N</b>		77	1.925	<b>361</b>
	9x20	<b>49090N</b>		55	2.750	<b>362</b>
	9x29	<b>49096</b>	ABB Entrelec PEAD, Wago 249-119	30	1.500	<b>363</b>
	9x35	<b>49091N</b>		33	1.650	<b>364</b>
	9x50	<b>49094</b>		20	1.000	<b>376</b>
	9x70	<b>49095N</b>		11	550	<b>378</b>
■ yellow	9x12	<b>49042N</b>		88	2.200	<b>360</b>
	9x15	<b>49043N</b>		77	1.925	<b>361</b>
	9x20	<b>49040N</b>		55	2.750	<b>362</b>
	9x29	<b>49046</b>	ABB Entrelec PEAD	30	1.500	<b>363</b>
	9x35	<b>49041N</b>		33	1.650	<b>364</b>
	9x50	<b>49044</b>		20	1.000	<b>376</b>
	9x70	<b>49045N</b>		11	550	<b>378</b>
■ blue	9x29	<b>49066</b>	ABB Entrelec PEAD	30	1.500	<b>363</b>
■ green	9x15	<b>49053N</b>		77	1.925	<b>361</b>
	9x70	<b>49055N</b>		11	550	<b>378</b>

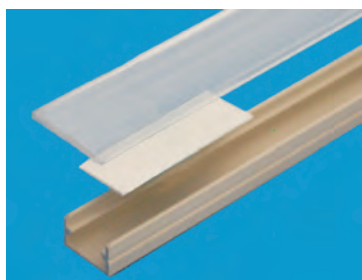
**MG-TAPW** legends are used, with legend holders or legend rails, to identify a wide range of cables and components.

**Consult us for availability of other colours.**

Note: UV resistance may vary between colours.

**Material:** Rigid PVC,  
self extinguishing class VO: UL 94

⚡ Operating temperature range  
 -30°C to +60°C  
 -22°F to +140°F



### use with

PMT-AC legend holders	page 109
PMT-ET legend holders	109
PMT-DT legend holders	109
RTR-TAPW & RTA-TAPW legend rails	119



# MG-TAR



## LEGENDS

precut

Colour	Size mm	Code	Application	Legends per sheet	Quantity	SW Code
□ white	6x60	<b>45090</b>		16	800	<b>169</b>
	6,3x30	<b>45396</b>	Weidmüller SCHAT7 & M8/30	45	2.250	<b>800</b>
	7,5x40	<b>45098</b>	Weidmüller SCHAT5S, Beckhoff I/O	24	1.200	<b>801</b>
	8x55	<b>45089</b>	Jung	24	1.200	<b>719</b>
	10,4x21	<b>45297</b>	Reyrolle ER231	50	1.250	<b>351</b>
	12x57,5	<b>45392</b>	CZ Explosion proof 4031/4	16	800	<b>708</b>
	17x35	<b>45194</b>	ABB Entrelec PEB	18	900	<b>711</b>
	17x40	<b>45094</b>	Weidmüller SCHAT5	12	600	<b>712</b>
	17x44	<b>45195</b>		12	600	<b>717</b>
	17,5x36	<b>45391</b>	CZ Explosion proof 4031/1	18	900	<b>709</b>
■ yellow	7,5x40	<b>45048</b>	Weidmüller SCHAT5S	24	1.200	<b>801</b>
	17x35	<b>45144</b>	ABB Entrelec PEB	18	900	<b>711</b>
	17x40	<b>45044</b>	Weidmüller SCHAT5	12	600	<b>712</b>
	17x44	<b>45145</b>		12	600	<b>717</b>

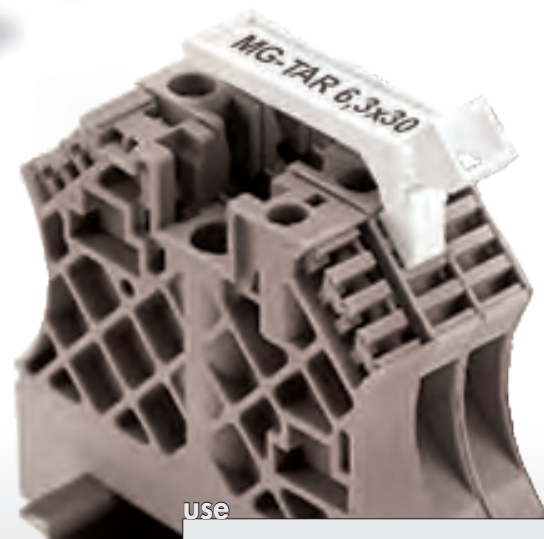
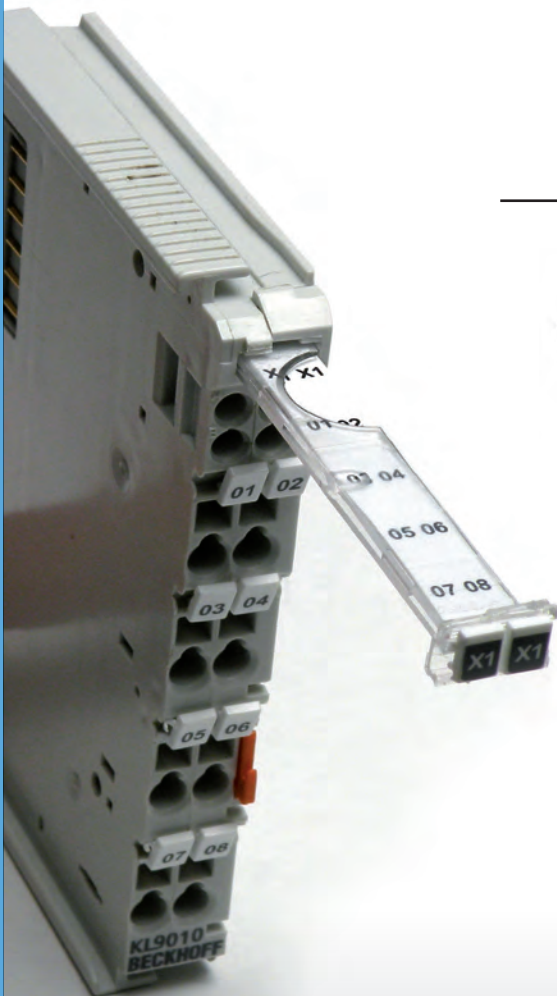
MG-TAR legends are often designed to fit particular components with a suitable clip-in or stick-on location.

**Consult us for availability of other colours.**

Note: UV resistance may vary between colours.

**Material:** Rigid PVC,  
self extinguishing class VO: UL 94

⊕: Operating temperature range  
-30°C to +60°C  
-22°F to +140°F



USE

Directly to suitable clip-in or stick-on locations



## DOG TAGS

precut, pre-drilled with one hole

### rigid PVC

Colour	Size mm	Code	Ø hole mm	Cable tie max. mm	Legends per sheet	Quantity	SW Code
<input type="checkbox"/> white							
	20x20	<b>48203</b>	5	4,8	25	1.250	<b>867</b>
	25x50	<b>48204</b>	5	4,8	8	400	<b>868</b>
	Ø 20	<b>48392</b>	6,5	4,8	12	300	<b>875</b>
		<b>48391</b>	5	4,8	12	300	<b>874</b>
	Ø 35	<b>48300</b>	4	3,6	6	300	<b>870</b>
<input type="checkbox"/> yellow							
	Ø 20	<b>48342</b>	6,5	4,8	12	300	<b>875</b>
		<b>48341</b>	5	4,8	12	300	<b>874</b>
	Ø 35	<b>48340</b>	4	3,6	6	300	<b>870</b>
	25x50	<b>48244</b>	5	4,8	8	400	<b>868</b>
<input type="checkbox"/> red							
	Ø 20	<b>48322</b>	6,5	4,8	12	300	<b>875</b>
	Ø 35	<b>48320</b>	4	3,6	6	300	<b>870</b>
<input type="checkbox"/> green							
	Ø 20	<b>48352</b>	6,5	4,8	12	300	<b>875</b>

Dog tags are often loosely attached to equipment where a label cannot be fixed, eg on valves, tappings, couplers or in oil/solvent-rich atmospheres.

**Consult us for availability of other colours.**

Note: UV resistance may vary between colours.

**Material:** Rigid PVC,  
self extinguishing class VO: UL 94

† Operating temperature range  
 -30°C to +60°C  
 -22°F to +140°F

### Polycarbonate Halogen Free

<input type="checkbox"/> white							
	19x38	<b>40205</b>	8	8	8	400	<b>869</b>
	21x39	<b>40206</b>	12,7	8	8	400	<b>873</b>
	Ø 35	<b>48300-HF</b>	4	3,6	6	300	<b>870</b>
<input type="checkbox"/> yellow							
	Ø 35	<b>48340-HF</b>	4	3,6	6	300	<b>870</b>

**Material:** Polycarbonate, Halogen Free  
self extinguishing according to class VO: UL 94

† Operating temperature range  
 -40°C to +130°C  
 -40°F to +266°F

† Max. application temperature  
 +105°C

Use the MG2-EPTR PREMIUM ribbon to print -HF items.



USE

Appropriate attachment



# MG-TAA



MG-TAA legends are often available in the same sizes as MG-TAPW and MG-TAP.

Self adhesive, they can be applied to panels, components and equipment.

**Consult us for availability of other colours.**

Note: UV resistance may vary between colours.

**Material:** Rigid PVC,  
self extinguishing class VO: UL 94

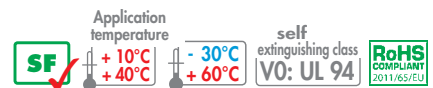
⚡ Operating temperature range  
-30°C to +60°C  
-22°F to +140°F  
Application temperature  
+10°C to +40°C  
+50°F to +104°F

**Material-Halogen Free:**

Polycarbonate,  
self extinguishing class VO (UL 94)

⚡ Operating temperature range  
-40°C to +130°C  
-40°F to +266°F

Use the MG2-EPTR PREMIUM ribbon to print -HF items.



## LEGENDS

SELF ADHESIVE

self adhesive, precut

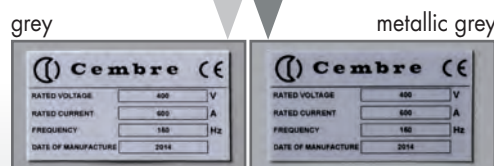
Size mm	Code								Legends per sheet	Quantity	SW Code
	white	yellow	grey	met. grey	red	blue	green	black			
7x20 <sup>(1)</sup>	49196	49146	49106	GY -HF	49126	49166	49156	49116	60	1.500	179
8x12	49296	49246	49206	GY -HF	49226	49266	49256	49216	96	2.400	723
8x17 <sup>(2)</sup>	49493	49443							72	1.800	724
8,5x30 <sup>(3)</sup>	49498	49448							33	825	720
9x12	49290N	49240N	49400N	GY -HF	49220N	49260N	49250N	49210N	88	2.200	960
9x15	49397N	49347N	49307N	GY -HF	49327N	49367N	49357N	49317N	77	1.925	961
9x20 <sup>(1)</sup>	49190N	49140N	49100N	GY -HF	49120N	49160N	49150N	49110N	55	1.375	962
9x35	49191N	49141N	49101N	GY -HF	49121N	49161N	49151N	49111N	33	825	964
9x50	49197	49147	49107	GY -HF	49127	49167	49157	49117	20	500	976
10x105	49199	49149							10	250	530
15x17	49192N	49142N	49102N	GY -HF	49122N	49162N	49152N	49112N	42	1.050	965
15x27	49193N	49143N	49103N	GY -HF	49123N	49163N	49153N	49113N	28	700	966
15x44	49298	49248	49208	GY -HF	49228	49268	49258	49218	12	300	854
15x49	49194N	49144N	49304N	GY -HF	49124N	49164N	49154N	49104N	14	350	967
15x67	49195N	49145N	49405N	GY -HF	49125N	49165N	49155N	49115N	7	175	968
17x32	49291	49241							18	450	710
17x35 <sup>(4)</sup>	49198	49148	49408	GY -HF	49128	49168	49158	49118	18	450	711
17x44	49393	49343	49303	GY -HF	49323	49363	49353	49313	12	300	717
17,5x27,8			49404	GY -HF					24	600	175
20x40	49292	49242	49202	GY -HF	49222	49262	49252	49212	10	250	803
20x48	49293	49243	49203	GY -HF	49223	49263	49253	49213	10	250	850
20x72	49294	49244	49504	GY -HF	49224	49264	49254	49204	5	125	851
20x96	49295	49245	49205	GY -HF	49225	49265	49255	49215	5	125	852

Only for Telemecanique push button bases type ZBZ-33 and ZBZ-35

18x27	49396	49346	49306	GY -HF				49316	20	500	178
-------	-------	-------	-------	--------	--	--	--	-------	----	-----	-----

Only for use with Siemens push button bases types 3SB3923-0AV and 3SB3943-0AX **ROUNDED CORNERS**

12,5x27	49399		49309	GY -HF				49319	15	375	865
22x22	49398		49308	GY -HF				49318	12	300	866
27x27	49390		49300	GY -HF				49310	9	225	863



Directly on suitable surfaces





Application temperature

**SELF ADHESIVE****LABELS***self adhesive, precut*

Size mm	white	yellow	metallic grey	Application	Labels per sheet	Quantity	SW Code
5x12	46927	46427	46827	Allen Bradley	120	6.000	195
6x15	46915	46415	46815		105	5.250	181
7x10	44891	44841	46891		120	6.000	191
7x15	46928	46428	46828		60	3.000	182
7x20	46935	46435		Siemens	60	3.000	190
8x12	46918	46418	46818		96	4.800	192
8x17	46923	46423	46823	Telemecanique	72	3.600	194
8x21	46924	46424	46824		60	3.000	196
9x12	46914	46414	46814		80	4.000	160
9x15	44895	44845	46895		70	3.500	161
9x20	44896N	44846N	46896N	Siemens	55	2.750	162
9x35	46910N	46410N	46810N		33	1.650	164
15x15	46934	46434	46834		49	2.450	183
15x17	46932N	46432N	46832N		42	2.100	185
15x27	46921N	46421N	46821N		28	1.400	186
15x49	46933N	46433N	46833N		14	700	187
25x25	46931	46431	46831		16	800	611
25x50	46925	46425	46825		8	400	612
25x80	46926	46426	46826		4	200	613
25x100	46938	46438			4	200	614
32x58	46939	46439	46839		3	150	621
42x78	46922	46422	46822		2	100	622
50x50	46929	46429	46829		4	200	623
52x107	46911	46411	46811		2	100	624
62x88	46941	46441	46841		1	50	625
105x110	46913	46413	46813		1	50	627

**other colours currently available, MOQs may apply**

Size mm	red	blue	green	light green	violet	black	Application	Labels per sheet	Quantity	SW Code
6x15	46215	46615	46515	46515LG	46715	46115		105	5.250	181
9x20	46296N	46696N	46596N	46596NLG	46796N	46196N	Siemens	55	2.750	162
32x58	46239	46639	46539	46539LG	46739	46139		3	150	621
52x107	46211	46611	46511	46511LG	46711	46111		2	100	624



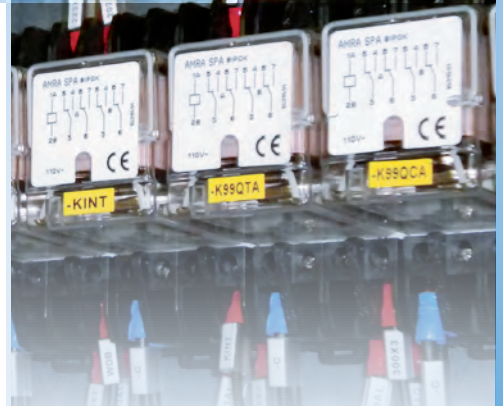
Application temperature

**SELF ADHESIVE****LABELS***self adhesive, precut*

Size mm	white	yellow	metallic grey	Labels per sheet	Quantity	SW Code
110x140	46942	46442	46842	1	50	273

USE

Directly on suitable surfaces

**MG-VYT**

Dielectric PVC film labels used for internal and external marking.

**Consult us for availability of other colours.**

Note: UV resistance may vary between colours.

**Material:** PVC film

- Operating temperature range
  - 30°C to +70°C
  - 22°F to +158°F
- Application temperature
  - +10°C to +40°C
  - +50°F to +104°F

**MG2-VYT**

Dielectric PVC film labels used for internal and external marking.

**Material:** PVC film

- Operating temperature range
  - 30°C to +70°C
  - 22°F to +158°F
- Application temperature
  - +10°C to +40°C
  - +50°F to +104°F



# MG-PYT



## LABELS

SELF ADHESIVE

self adhesive, precut

Polyester film self adhesive labels, suitable for marking components, with better resistance to high temperatures, temperature variations and shrinkage than PVC versions.

Note: Metallic grey has limited resistance to UV.

**Material:** Polyester film

⚡ Operating temperature range

-40°C to +130°C

-40°F to +266°F

Application temperature

+10°C to +40°C

+50°F to +104°F

Colour	Size mm	Code	Application	Labels per sheet	Quantity	SW Code
☐ white	6x15	<b>47916</b>		105	5.250	<b>181</b>
	7x10	<b>47191</b>		120	6.000	<b>191</b>
	7x20	<b>47920</b>	Siemens	60	3.000	<b>190</b>
	9x15	<b>47195</b>		70	3.500	<b>161</b>
	9x20	<b>47196N</b>	Siemens	55	2.750	<b>162</b>
	25x50	<b>47918</b>		8	400	<b>612</b>
	32x58	<b>47922</b>		3	150	<b>621</b>
	42x78	<b>47927</b>		2	100	<b>622</b>
	52x107	<b>47914</b>		2	100	<b>624</b>
	62x88	<b>47921</b>		1	50	<b>625</b>
	75x120	<b>47915</b>		1	50	<b>626</b>
	105x110	<b>47913</b>		1	50	<b>627</b>
☐ metallic grey	6x15	<b>47816</b>		105	5.250	<b>181</b>
	7x10	<b>47181</b>		120	6.000	<b>191</b>
	7x20	<b>47820</b>	Siemens	60	3.000	<b>190</b>
	9x15	<b>47185</b>		70	3.500	<b>161</b>
	9x20	<b>47186N</b>	Siemens	55	2.750	<b>162</b>
	25x50	<b>47818</b>		8	400	<b>612</b>
	32x58	<b>47822</b>		3	150	<b>621</b>
	42x78	<b>47827</b>		2	100	<b>622</b>
	52x107	<b>47814</b>		2	100	<b>624</b>
	62x88	<b>47821</b>		1	50	<b>625</b>
	75x120	<b>47815</b>		1	50	<b>626</b>
	105x110	<b>47813</b>		1	50	<b>627</b>



USE

Directly on suitable surfaces







Application temperature

**SELF ADHESIVE****LABELS***self adhesive, precut***MG-VCT**

THERMAL TRANSFER



Dielectric labels with permanent adhesive backing and increased resistance to ageing. Their flexibility and strength make them particularly suitable for marking curved surfaces.

**Material:** PVC coated fabric

- ⚡ Operating temperature range
- 40°C to +150°C
- 40°F to +302°F
- Application temperature
- +10°C to +40°C
- +50°F to +104°F



Colour	Size mm	Code	Labels per sheet	Quantity	SW Code
□ white	7x10	<b>48091</b>	120	6.000	<b>191</b>
	6x15	<b>48090</b>	105	5.250	<b>181</b>
	9x15	<b>48095</b>	70	3.500	<b>161</b>
	9x20	<b>48096N</b>	55	2.750	<b>162</b>
	11x38	<b>48097</b>	27	1.350	<b>184</b>
■ yellow	7x10	<b>48041</b>	120	6.000	<b>191</b>
	6x15	<b>48040</b>	105	5.250	<b>181</b>
	9x15	<b>48045</b>	70	3.500	<b>161</b>
	9x20	<b>48046N</b>	55	2.750	<b>162</b>
	11x38	<b>48047</b>	27	1.350	<b>184</b>

use

Directly on suitable surfaces.



# MG-PLC



## PLC LEGENDS

*precut*

Colour	Size mm	Code	Legends per sheet	Thickness mm	Quantity	SW Code
white	12,7x 31	<b>71098</b>	21	0,3	1.050	<b>900</b>
	12,7x 50	<b>71092</b>	14	0,3	700	<b>885</b>
	17,5x103,5	<b>71090</b>	6	0,5	300	<b>882</b>
	22,75x103,5	<b>71091</b>	4	0,5	200	<b>883</b>
	22,75x109	<b>71096</b>	4	0,5	200	<b>896</b>
yellow	25x50	<b>71094</b>	8	0,3	400	<b>895</b>
	12,7x 31	<b>71048</b>	21	0,3	1.050	<b>900</b>
	12,7x 50	<b>71042</b>	14	0,3	700	<b>885</b>
	17,5x103,5	<b>71040</b>	6	0,5	300	<b>882</b>
	22,75x103,5	<b>71041</b>	4	0,5	200	<b>883</b>
Siemens green	22,75x109	<b>71046</b>	4	0,5	200	<b>896</b>
	25x50	<b>71044</b>	8	0,3	400	<b>895</b>
	12,7x 31	<b>71058</b>	21	0,3	1.050	<b>900</b>
	12,7x 50	<b>71052</b>	14	0,3	700	<b>885</b>
	17,5x103,5	<b>71050</b>	6	0,5	300	<b>882</b>
gray	22,75x103,5	<b>71051</b>	4	0,5	200	<b>883</b>
	22,75x109	<b>71056</b>	4	0,5	200	<b>896</b>
	52x80	<b>71053</b>	2	0,3	100	<b>899</b>
metallic gray	12,7x31	<b>71008GY</b>	21	0,3	1.050	<b>900</b>
	17,5x103,5	<b>71000-HF</b>	6	0,5	300	<b>882</b>
	22,75x103,5	<b>71001-HF</b>	4	0,5	200	<b>883</b>

Legends replace the strips supplied with the devices and automatically print at the correct spacing.

**Consult us for availability of other colours.**

Note: UV resistance may vary between colours.

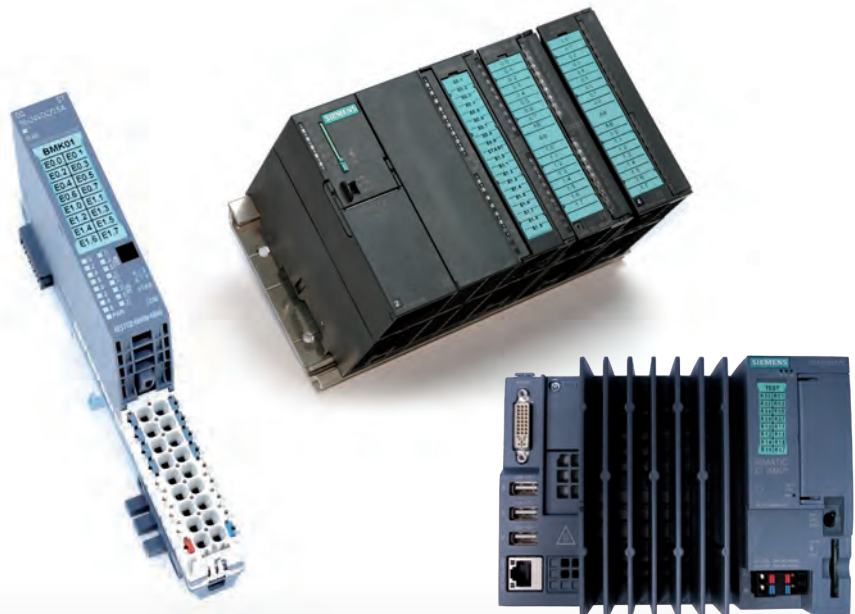
**Material:** Rigid PVC,  
self extinguishing class V0: UL 94

⚡ Operating temperature range  
-30°C to +60°C  
-22°F to +140°F

**Material-Halogen Free:** Polycarbonate,  
Halogen Free, self extinguishing class V0: UL 94

⚡ Operating temperature range  
-40°C to +130°C  
-22°F to +266°F

Use the MG2-EPTR PREMIUM ribbon to print -HF items.



USE

Direct application to PLCs.





# MG-SAT

**SELF ADHESIVE**

**SECURITY LABELS**

ultradestructible and anti-tamper film, precut



## MG-SAT-D

**ULTRADESTRUCTIBLE**

Ultradestructible self adhesive labels, rounded corners

Colour	Size mm	Code	Labels per sheet	Quantity	SW Code
□ white	9x15	<b>29906</b>	70	3.500	<b>161</b>
	15x49	<b>29907</b>	14	700	<b>187</b>
	24x38	<b>29901</b>	6	300	<b>270</b>
	37x74	<b>29902</b>	2	100	<b>271</b>
	52x105	<b>29903</b>	2	100	<b>272</b>



## MG-SAT-V

**VOID**

“Void” self adhesive labels, rounded corners

Colour	Size mm	Code	Labels per sheet	Quantity	SW Code
□ white	24x38	<b>29001</b>	6	300	<b>270</b>
	37x74	<b>29002</b>	2	100	<b>271</b>
	52x105	<b>29003</b>	2	100	<b>272</b>



## MG-SAT-C

**CHECKER-BOARD**

“Checker-board” self adhesive labels, rounded corners

Colour	Size mm	Code	Labels per sheet	Quantity	SW Code
□ metallic grey	9x15	<b>29806</b>	70	3.500	<b>161</b>
	15x49	<b>29807</b>	14	700	<b>187</b>
	24x38	<b>29801</b>	6	300	<b>270</b>
	37x74	<b>29802</b>	2	100	<b>271</b>
	52x105	<b>29803</b>	2	100	<b>272</b>

Note: MG-SAT labels will function most effectively, once adhered, after 72 hours at room temperature.

## MG2-SAT-C

“Checker-board” self adhesive labels, rounded corners

Colour	Size mm	Code	Labels per sheet	Quantity	SW Code
□ metallic grey	110x140	<b>29804</b>	1	50	<b>273</b>

**Ultradestructible film:** when removed, allowing two hours after application, this film will break up into very small fragments to prevent replacement.

**Material:** PE-HD film

Operating temperature range  
 -30°C to +80°C  
 -58°F to +230°F

**“Void” anti-tamper film:** when removed, leaves the word “Void” on the surface, as evidence of its removal.

**Material:** matt Polyester film

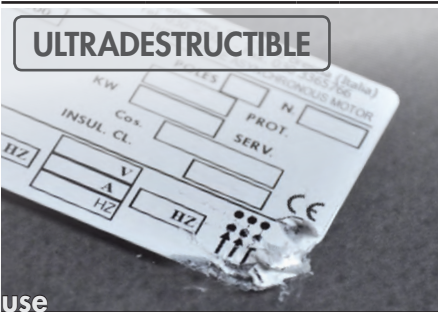
Operating temperature range  
 -40°C to +130°C  
 -40°F to +266°F

**“Checker-board” anti-tamper film:** when removed, leaves behind a checker-board imprint on the surface, as evidence of its removal.

Note: Limited resistance to UV.

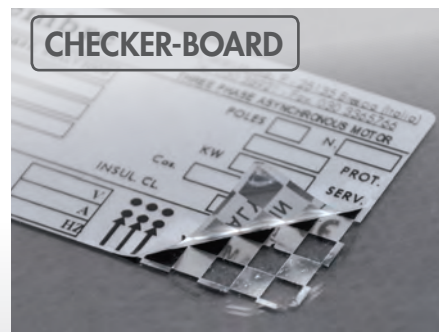
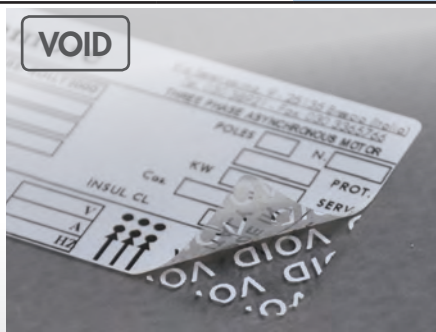
**Material:** matt Polyester film

Operating temperature range  
 -40°C to +130°C  
 -40°F to +266°F

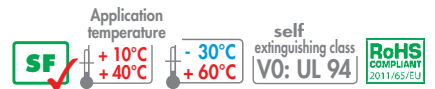


use

Directly on suitable surfaces



# MG-17.5-R



## MODULAR LEGENDS

*precut*

### 15mm Legends for use with RTR-TAP & RTA-TAP legend rails

N° of modules	Size mm	white	yellow	grey	red	blue	black	Legends per sheet	Quantity	SW Code
6	15x107,5	990798N	990799N	990809NGY	990846	990847		7	350	329
5	15x87,5	990755	990761	990781GY				6	300	325
4	15x70	990762	990763	990782GY	990912		990911	6	300	324
3	15x52,5	990764	990765	990783GY	990908N		990907N	12	600	323
2	15x35	990766N	990767N	990784NGY	990865N		990864N	21	1.050	322
1	15x17,5	990768	990769	990785GY	990863N		990862N	42	900	321

The MG-17.5-R series comprises legends designed for use with modular components.

**Consult us for availability of other colours.**

Note: UV resistance may vary between colours.

**Material:** Rigid PVC,  
self extinguishing class VO: UL 94

- Operating temperature range
  - 30°C to +60°C
  - 22°F to +140°F
- Application temperature
  - +10°C to +40°C
  - +50°F to +104°F



### 12mm Legends suitable for use with BTicino modular components and mounting rail

Colour	N° of modules	Size mm	Code	Legends per sheet	Quantity	SW Code
<input type="checkbox"/> white	6	12x105	990788N	8	400	332

### 25mm Legends suitable for use with Merlin Gerin modular components and mounting rail

N° of modules	Size mm	white	yellow	red	black	Legends per sheet	Quantity	SW Code
1	25x18	990889	990895	990900	990914	24	1.200	335
1½	25x27	990891	990892	990897	990915	16	800	334
2	25x36	990888	990894	990899	990916	12	600	336
3	25x50	990887	990893	990898	990917	8	400	337
4	25x70	990890	990896	990901	990918	4	200	338
1	37,5x17,5	990950	990951	990952	990953	18	900	345

# MG2-17.5-R



## MODULAR LEGENDS

The MG2-17.5-R series comprises legends designed for use with modular components.

**Consult us for availability of other colours.**

Note: UV resistance may vary between colours.

**Material:** Rigid PVC,  
self extinguishing class VO: UL 94

- Operating temperature range
  - 30°C to +60°C
  - 22°F to +140°F
- Application temperature
  - +10°C to +40°C
  - +50°F to +104°F

*15 mm, precut*

Colour	N° of modules	Size mm	Code	Legends per sheet	Quantity	SW Code
<input type="checkbox"/> white	8	15x140	990883	7	350	331
<input checked="" type="checkbox"/> yellow	8	15x140	990884	7	350	331

Use

With RTR-TAP & RTA-TAP legend rails *page 118*

Use the modular legend for Merlin Gerin directly on the components or with self adhesive modular backing strips





**SELF ADHESIVE**

**MODULAR LEGENDS**

*self adhesive, precut*

**15mm Self adhesive legends**

N° of modules	Size mm	white	yellow	grey	red	blue	green	black	Legends per sheet	Quantity	SW Code
6	15x107,5	990824	990826	990827NGY	990929	990926	990925	990833N	7	175	929
6	20x107,5	990972							5	125	946
2	15x35	990753N	990820N	990822NGY	990923N	990963N	990954N	990913N	21	525	922

**25mm Self adhesive legends suitable for use with Merlin Gerin modular components**

N° of modules	Size mm	white	yellow	red	blue	black	Legends per sheet	Quantity	SW Code
1	25x18	990869	990878	990905		990919	24	600	935
1½	25x27	990871	990872	990902		990920	16	400	934
2	25x36	990868	990877	990904	990970	990921	12	300	936
3	25x50	990867	990873	990903		990922	8	200	937
4	25x70	990870	990879	990906		990924	4	100	938

# MG-17.5-A



The **MG-17.5-A** series comprises self adhesive legends designed for use with modular components.

**Consult us for availability of other colours.**

Note: UV resistance may vary between colours.

**Material:** Rigid PVC, self extinguishing class VO: UL 94

⚡ Operating temperature range  
 -30°C to +60°C  
 -22°F to +140°F  
 Application temperature  
 +10°C to +40°C  
 +50°F to +104°F

THERMAL TRANSFER



**SELF ADHESIVE**

**MODULAR LEGENDS**

*15 mm, precut*

Colour	N° of modules	Size mm	Code	Legends per sheet	Quantity	SW Code
□ white	8	15x140	990880	7	175	931
■ yellow	8	15x140	990881	7	175	931

# MG2-17.5-A

The **MG-17.5-A** series comprises self adhesive legends designed for use with modular components.

**Consult us for availability of other colours.**

Note: UV resistance may vary between colours.

**Material:** Rigid PVC, self extinguishing class VO: UL 94

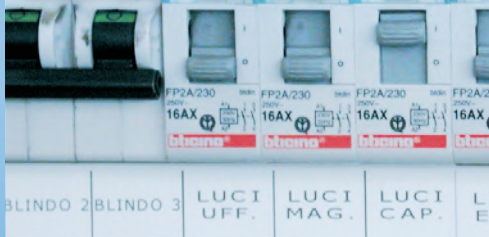
⚡ Operating temperature range  
 -30°C to +60°C  
 -22°F to +140°F  
 Application temperature  
 +10°C to +40°C  
 +50°F to +104°F

Use

Directly on the panel



# MG-17.5-VY



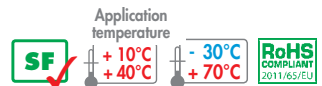
The **MG-17.5-VY** series comprises labels designed for use with modular components.

**Consult us for availability of other colours.**

Note: UV resistance may vary between colours.

**Material:** PVC film

- ⚡ Operating temperature range
  - 30°C to + 70°C
  - 22°F to + 158°F
- 🔥 Application temperature
  - + 10°C to + 40°C
  - + 50°F to + 104°F



## MODULAR LABELS

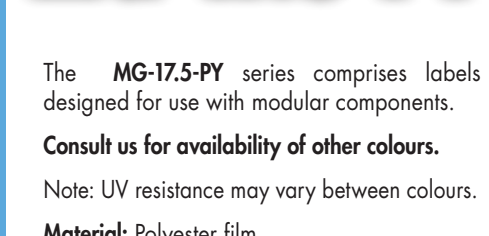
**SELF ADHESIVE**

15 mm, self adhesive, precut

### 15 mm Self adhesive labels in PVC film

Colour	N° of modules	Size mm	Code	Labels per sheet	Quantity	SW Code
<input type="checkbox"/> white	6	15x107,5	<b>990746N</b>	7	350	<b>570</b>
<input type="checkbox"/> yellow	6	15x107,5	<b>990747N</b>	7	350	<b>570</b>

# MG-17.5-PY



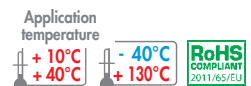
The **MG-17.5-PY** series comprises labels designed for use with modular components.

**Consult us for availability of other colours.**

Note: UV resistance may vary between colours.

**Material:** Polyester film

- ⚡ Operating temperature range
  - 40°C to + 130°C
  - 40°F to + 266°F
- 🔥 Application temperature
  - + 10°C to + 40°C
  - + 50°F to + 104°F



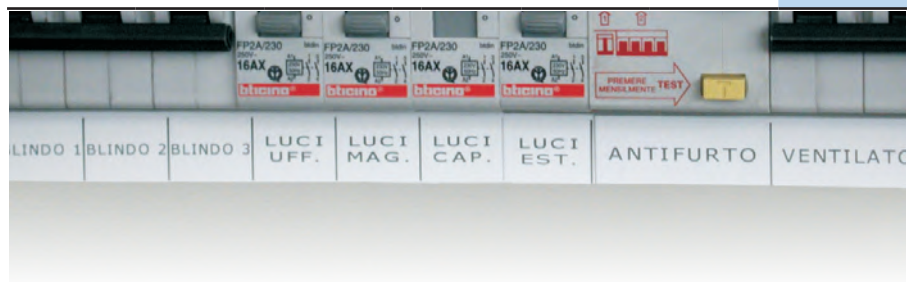
## MODULAR LABELS

**SELF ADHESIVE**

15 mm, self adhesive, precut

### 15 mm Self adhesive labels in Polyester film

Colour	N° of modules	Size mm	Code	Labels per sheet	Quantity	SW Code
<input type="checkbox"/> white	6	15x107,5	<b>990777N</b>	7	350	<b>570</b>
<input type="checkbox"/> metallic grey	6	15x107,5	<b>990779N</b>	7	350	<b>570</b>



USE

Directly on the panel or with modular backing strips in PVC

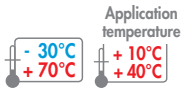




# MG-17.5-SB

## MODULAR BACKING STRIPS

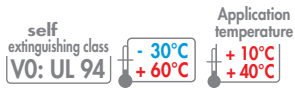
15 mm, precut



### 15 mm for direct application to panel

Colour	Size mm	Type	Quantity
<input type="checkbox"/> white	15x430	<b>990752</b>	10
<input type="checkbox"/> yellow	15x430	<b>990756</b>	10

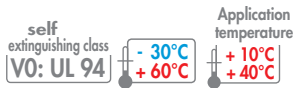
THICKNESS: — 0,1 mm



### 15 mm for direct application to panel

Colour	Size mm	Type	Quantity
<input type="checkbox"/> white	15x430	<b>990759</b>	10
<input type="checkbox"/> yellow	15x430	<b>990760</b>	10

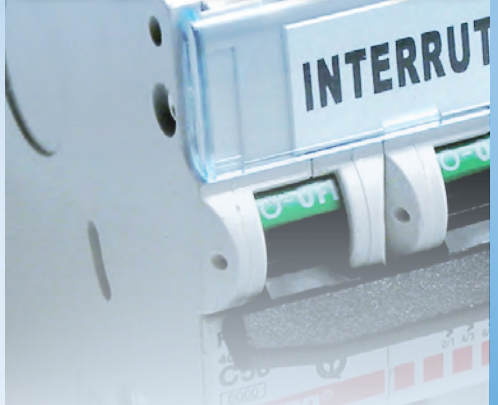
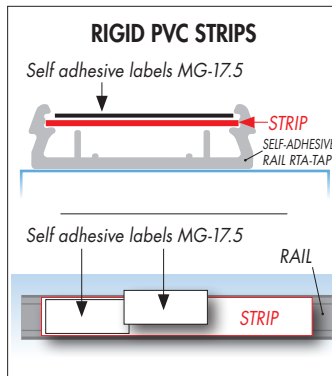
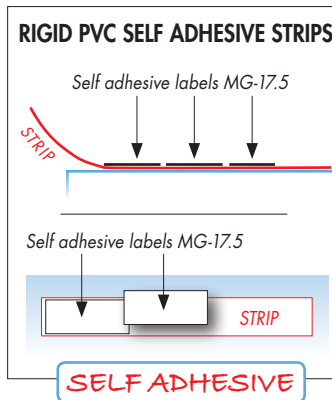
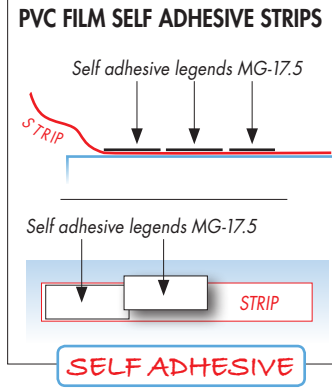
THICKNESS: — 0,7 mm



### 15 mm for use with RTR-TAP and RTA-TAP legend rail

Colour	Size mm	Type	Quantity
<input type="checkbox"/> white	15x430	<b>990757</b>	10
<input type="checkbox"/> yellow	15x430	<b>990758</b>	10

THICKNESS: — 0,5 mm



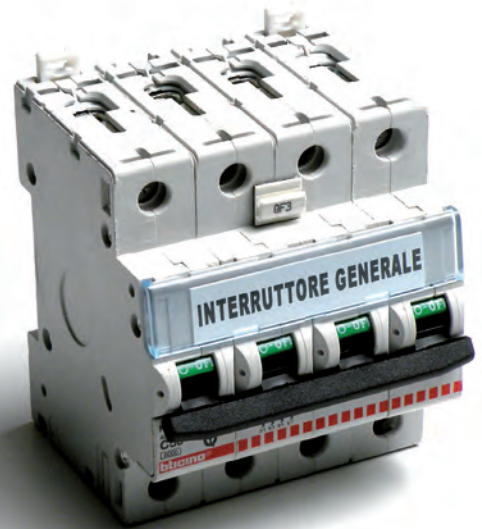
The backing strips are ideal for modular components to achieve a perfect alignment of the plates MG-17, 5 or dial up to 430 mm long strips, to be applied directly on the canvas or to put inside the specific profiles.

**Material:** PVC film

- Operating temperature range
  - 30°C to +70°C
  - 22°F to +158°F
- Application temperature
  - +10°C to +40°C
  - +50°F to +104°F

**Material:** Rigid PVC, self extinguishing class VO: UL 94

- Operating temperature range
  - 30°C to +60°C
  - 22°F to +140°F
- Application temperature
  - +10°C to +40°C
  - +50°F to +104°F



USE

Directly on the panel



# MG-VRT-R



Application temperature: **SF** +10°C to +40°C, -30°C to +60°C. self extinguishing class **VO: UL 94**. **RoHS COMPLIANT 2011/65/EU**

## PANEL PLATES

rivet fixing, customisable

Size mm	white	yellow	grey	red	black	Size of cover mm	Plates per sheet	Quantity	SW Code
32x58	48900N	48400N	48700N	GY -HF		37x79	6	300	200
42x78	48901	48401	48701	GY -HF		47x98	2	100	202
52x107	48903	48403	48703	GY -HF	48223	57x127	2	100	204
62x88	48902	48402	48702	GY -HF		67x109	1	50	203
92x118	48913	48413	48713	GY -HF	48213	97x140	1	50	813
35x100	48917	48417	48717	GY -HF	48217		3	75	810
50x100	48997						2	100	844

MG-VRT-R rigid PVC panel plates are used to create name plates, rating plates, data plates using company logos, technical data, serial numbers, EC certification, etc.

CPT (page 117) transparent Polycarbonate covers can be used for increased durability.

Consult us for availability of other colours and transparent versions.

Note: UV resistance may vary between colours.

Material: Rigid PVC ,

self extinguishing according to class VO: UL 94

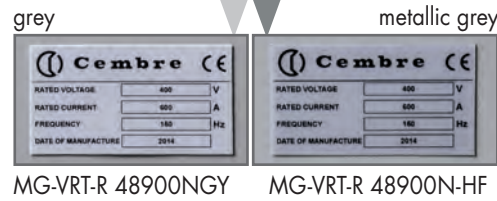
- Operating temperature range: -30°C to +60°C, -22°F to +140°F
- Application temperature: +10°C to +40°C, +50°F to +104°F

Material-Halogen Free:

Polycarbonate, self extinguishing class V0 (UL 94)

- Operating temperature range: -40°C to +130°C, -40°F to +266°F

Use the MG2-EPTR PREMIUM ribbon to print -HF items.



# MG2-VRT-R

Application temperature: **SF** +10°C to +40°C, -30°C to +60°C. self extinguishing class **VO: UL 94**. **RoHS COMPLIANT 2011/65/EU**

## PANEL PLATES

rivet fixing, customisable

MG2-VRT-R offer larger sizes and greater print area. Use with CPT Transparent cover 108x160mm for increased durability.

Size mm	white	yellow	grey	red	black	Plates per sheet	Quantity	SW Code	
102x138	48928	48428	48728	GY -HF	48228	48128	1	50	207

**CONSULT US FOR**

- OTHER COLOURS
- SPECIAL SHAPES
- PLATES PRE-PRINTED IN FULL COLOUR WITH YOUR COMPANY LOGO (see page 42)

USE

Directly on suitable surfaces







self extinguishing class  
VO: UL 94

- 30°C  
+ 60°C

Application temperature  
+ 10°C  
+ 40°C



THICKNESS: — 0,9 mm

## PANEL PLATES

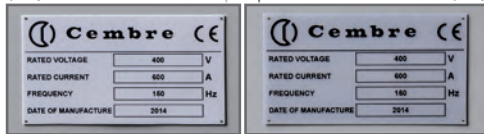
rivet fixing, customisable

Pre-drilled with holes Ø 4mm

Size mm	white	yellow	*grey	red	blue	black	N°holes	Plates for sheet	Quantity	SW Code
15x52	48924					48129	2	14	350	831
15x80	48938	48438					2	7	175	828
25x50	48906	48406	48806	GY	-HF		2	8	200	860
25x75	48907	48407					2	4	100	809
25x80	48931					48131	2	4	100	832
25x100	48914	48414					2	4	200	206
35x50	48930					48130	2	6	150	833
35x80	48937	48437		48237	48637		2	3	75	827
35x100	48909	48409					2	3	75	818
50x100	48911	48411	48811	GY	-HF		4	2	50	811
75x120	48915	48415				48115	4	1	50	816
105x110	48912	48412	48712	GY	-HF		4	1	25	859

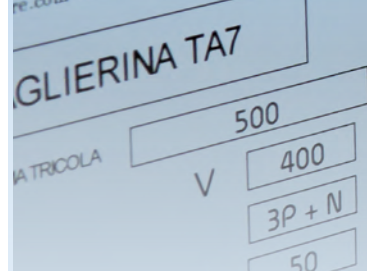
grey

metallic grey



# MG-VRT-RH

ma. 9...  
030 36291 Teletax +39 030...  
re.com E-mail: info@cembre.com



MG-VRT-RH rigid PVC panel plates are used to create name plates, rating plates, data plates using company logos, technical data, serial numbers, EC certification, etc.

CPT (page 117) transparent Polycarbonate covers can be used for increased durability.

Consult us for availability of other colours and transparent versions.

Note: UV resistance may vary between colours.

Material: Rigid PVC , self extinguishing according to class VO: UL 94

Operating temperature range  
- 30°C to + 60°C  
- 22°F to + 140°F  
Application temperature  
+ 10°C to + 40°C  
+ 50°F to + 104°F

Material-Halogen Free:

Polycarbonate, self extinguishing class VO (UL 94)

Operating temperature range  
- 40°C to + 130°C  
- 40°F to + 266°F

Use the MG2-EPTR PREMIUM ribbon to print -HF items.

# MG2-VRT-RH



self extinguishing class  
VO: UL 94

- 30°C  
+ 60°C

Application temperature  
+ 10°C  
+ 40°C



THICKNESS: — 0,9 mm

## PANEL PLATES

rivet fixing, customisable

Pre-drilled with holes Ø 4mm

Size mm	white	yellow	*grey	red	black	N°holes	Plates for sheet	Quantity	SW Code
29x140	48932				48132	2	3	75	834
35x142	48923					2	3	150	835
50x140	48919					4	2	100	872
82x142	48921					4	1	50	836

\* Available in Polycarbonate HF, colour metallic grey, change -GY to -HF in code.

MG2-VRT-RH offer larger sizes and greater print area.

**CONSULT US FOR**

- OTHER COLOURS
- SPECIAL SHAPES
- PLATES PRE-PRINTED IN FULL COLOUR WITH YOUR COMPANY LOGO (see page 42)

use

Directly on suitable surfaces



# MG-VRT-A

Application temperature  
 +10°C to +40°C | -30°C to +60°C  
 self extinguishing class  
 V0: UL 94  
 RoHS COMPLIANT 2011/65/EU

## PANEL PLATES

THICKNESS: — 0,9 mm

self adhesive, customisable

SELF ADHESIVE

Size mm	white	yellow	grey		red	blue	green	black	Size of cover mm	Plates per sheet	Quantity	SW Code
25x50	88916	88416	88716	GY-HF	88216	88616	88516	88106		8	200	853
25x80	88908	88408	88708	GY-HF	88208	88608	88508	88108		4	100	861
25x100	88905	88405			88205	88605	88505	88005		4	100	205
32x58	88900N	88400N	88700N	GY-HF	88200N	88600N	88500N	88000N	37x79	6	150	200
35x75	88945	88445								3	75	825
35x100	88917	88417	88717	GY-HF	88217	88617	88517	88007		3	75	810
42x78	88901	88401	88701	GY-HF		88601	88501	88101	47x98	2	50	202
50x50	88918	88418						88118		4	100	858
52x107	88903	88403	88703	GY-HF	88203	88603	88503	88103	57x127	2	50	204
62x88	88902	88402	88702	GY-HF					67x109	1	25	203
92x118	88913	88413	88713	GY-HF	88213	88613	88513	88113	97x140	1	25	813
105x110	88904	88404	88704	GY-HF						1	25	812

MG-VRT-A rigid PVC self adhesive panel plates are used to create name plates, rating plates, data plates using company logos, technical data, serial numbers, EC certification, etc.

CPT (page 117) transparent Polycarbonate covers can be used for increased durability.

Consult us for availability of other colours and transparent versions.

Note: UV resistance may vary between colours.

Material: Rigid PVC ,

self extinguishing according to class V0: UL 94

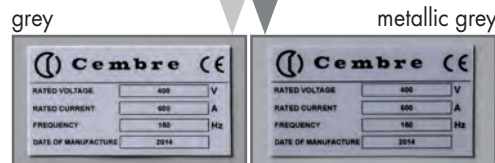
- Operating temperature range  
 -30°C to +60°C  
 -22°F to +140°F
- Application temperature  
 +10°C to +40°C  
 +50°F to +104°F

Material-Halogen Free:

Polycarbonate,  
 self extinguishing class V0 (UL 94)

- Operating temperature range  
 -40°C to +130°C  
 -40°F to +266°F

Use the MG2-EPTR PREMIUM ribbon to print -HF items.



MG-VRT-A 88900N-HF

# MG2-VRT-A

Application temperature  
 +10°C to +40°C | -30°C to +60°C  
 self extinguishing class  
 V0: UL 94  
 RoHS COMPLIANT 2011/65/EU

## PANEL PLATES

THICKNESS: — 0,9 mm

self adhesive, customisable

SELF ADHESIVE

Size mm	white	yellow	grey		red	blue	black	Plates per sheet	Quantity	SW Code
25x140	88946	88446						1	100	824
40x138	88935				88235			1	50	822
102x138	88928	88428	88728	GY-HF	88228	88628	88128	1	25	207

MG2-VRT-A offer larger sizes and greater print area. Use with CPT Transparent cover 108x160mm for increased durability.

- CONSULT US FOR**
- OTHER COLOURS
  - SPECIAL SHAPES
  - PLATES PRE-PRINTED IN FULL COLOUR WITH YOUR COMPANY LOGO (see page 42)

USE

Directly on suitable surfaces



THICKNESS: — 0,9 mm

PANEL PLATES

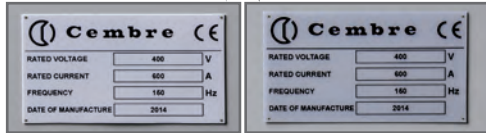
SELF ADHESIVE

Pre-drilled with holes ø 4mm

Size mm	white	yellow	grey	red	blue	black	N°holes	Plates per sheet	Quantity	SW Code
15x52	88940					88140	2	14	350	831
20x40	88920	88420	88720	GY-HF			2	10	250	864
25x50	88906	88406					2	8	200	860
25x75	88907	88407		88207			2	4	100	809
25x80	88942					88142	2	4	100	832
25x100	88914	88414					2	4	100	206
35x50	88941					88141	2	6	150	833
35x85	88944						2	3	75	823
35x100	88909	88409					2	3	75	818
35x100	88910	88410					4	3	75	818
42x78	88922	88422					2	2	50	819
50x100	88911	88411					4	2	50	811
75x120	88915	88415				88115	4	1	25	816
105x110	88912	88412	88712	GY-HF			4	1	25	859

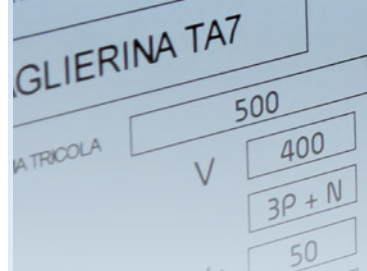
grey

metallic grey



# MG-VRT-AH

ma. 9... 030 36291 Teletax... E-mail: info@cembre.com



MG-VRT-AH rigid PVC self adhesive panel plates are used to create name plates, rating plates, data plates using company logos, technical data, serial numbers, EC certification, etc.

CPT (page 117) transparent Polycarbonate covers can be used for increased durability.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.

Material: Rigid PVC, self extinguishing according to class VO: UL 94

- Operating temperature range
  - 30°C to +60°C
  - 22°F to +140°F
- Application temperature
  - +10°C to +40°C
  - +50°F to +104°F

Material-Halogen Free:

Polycarbonate, self extinguishing class VO (UL 94)

- Operating temperature range
  - 40°C to +130°C
  - 40°F to +266°F

Use the MG2-EPTR PREMIUM ribbon to print -HF items.

# MG2-VRT-AH

THICKNESS: — 0,9 mm

PANEL PLATES

self adhesive, customisable

SELF ADHESIVE

Pre-drilled with holes ø 4mm

Size mm	white	yellow	red	blue	black	N°holes	Plates for sheet	Quantity	SW Code
25x140	88927	88427				2	4	100	871
29x140	88943				88143	2	3	75	834
35x142	88939					2	3	75	835
50x140	88919			88619		4	2	50	872
82x142	88938					4	1	25	836
102x138			88237	88637		4	1	25	208

MG2-VRT-AH offer larger sizes and greater print area.

**CONSULT US FOR**

- OTHER COLOURS
- SPECIAL SHAPES
- PLATES PRE-PRINTED IN FULL COLOUR WITH YOUR COMPANY LOGO (see page 42)

use

Directly on suitable surfaces





### PRINT LEGEND & RATING PLATES ON MG2 & MG3 WITH FULL COLOUR COMPANY LOGOS

- more time-efficient, cost-effective and adaptable than having plates printed by external suppliers
- matched aesthetic qualities of all printed labels, markers & legends
- provides complete in-house control of all identification & labelling functions

to request a quote complete the form on page 141



- **High material, adhesive & print quality with MG2 & MG3 PRINTERS**

Relevant performance standards:

- UNI EN ISO 4892-2** (resistance to UV)
- CEI 16-7** (indelibility of print)
- CEI 23-11 / CEI EN 61058-1**(indelibility of print)
- CEI EN 61010-1 / VDE 0411-1**(indelibility of print)
- CEI EN 61439-1: 2010-01**(indelibility of print)

Free system life-time support & training  
is just a call or click away



self extinguishing class  
VO: UL 94

- 30°C  
+ 60°C


Application temperature  
+ 10°C  
+ 40°C



THICKNESS: — 0,9 mm


## PANEL LEGENDS

precut

Colour&Shape	Size mm	Code	Legends per sheet	Quantity	SW Code
yellow 	37x74	990713	2	100	271
	52x105	990714	2	100	272



### Emergency stop legends

Colour&Shape	Size mm	Hole diameter mm	Code	Legends per sheet	Quantity	SW Code
yellow 	62	22,5	990743	1	50	252
	90	22,5	990744	1	50	263
	90	30,5	990745	1	50	263

The **MG-SIGN-R** series is used for in-house production of warning, hazard, prohibition and mandatory signs from pictograms provided in the library of GENIUSPRO software.

A highly versatile system for rapidly and accurately producing signs in all languages, on a one-off basis if required.

**Material:** Rigid PVC, self extinguishing according to class VO: UL 94

Operating temperature range  
- 30°C to + 60°C  
- 22°F to + 140°F

Application temperature  
+ 10°C to + 40°C  
+ 50°F to + 104°F



self extinguishing class  
VO: UL 94

- 30°C  
+ 60°C






Application temperature  
+ 10°C  
+ 40°C



## SELF ADHESIVE PANEL LEGENDS

SELF ADHESIVE

precut

Colour&Shape	Size mm	Code	Legends per sheet	Quantity	SW Code
yellow 	100	990704	1	50	262
white 	40	990927	4	200	250
	100	990705	1	50	253
yellow 	40	990928	4	200	250
red 	40	990858	4	200	250
yellow 	37x74	990711	2	100	271
	52x105	990712	2	100	272

## MG-SIGNS-A



The **MG-SIGN-A** series is used for in-house production of warning, hazard, prohibition and mandatory signs from pictograms provided in the library of GENIUSPRO software.

A highly versatile system for rapidly and accurately producing signs in all languages, on a one-off basis if required.

**Material:** Rigid PVC, self extinguishing according to class VO: UL 94

Operating temperature range  
- 30°C to + 60°C  
- 22°F to + 140°F

Application temperature  
+ 10°C to + 40°C  
+ 50°F to + 104°F

Use

Directly on suitable surfaces



# MG-SIGNS-VY

Application temperature

## PANEL LABELS

SELF ADHESIVE



The **MG-SIGN-VY** series is used for in-house production of warning, hazard, prohibition and mandatory signs from pictograms provided in the library of GENIUSPRO software.

A highly versatile system for rapidly and accurately producing signs in all languages, on a one-off basis if required.

**Material:** PVC film

- Operating temperature range
  - 30°C to +70°C
  - 22°F to +158°F
- Application temperature
  - +10°C to +40°C
  - +50°F to +104°F



precut

Colour&Shape	Size mm	Code	Labels per sheet	Quantity	SW Code
yellow	50	<b>990700N</b>	4	200	<b>241</b>
	100	<b>990701</b>	1	50	<b>242</b>
yellow	50	<b>990857</b>	4	200	<b>260</b>
white	25	<b>990860</b>	12	600	<b>236</b>
	100	<b>990702</b>	1	50	<b>238</b>
yellow	25	<b>990859</b>	12	600	<b>236</b>
	100	<b>990866</b>	1	50	<b>238</b>
yellow	37x74	<b>990709</b>	2	100	<b>246</b>
	52x105	<b>990710</b>	2	100	<b>247</b>
white	52x105	<b>990825</b>	2	100	<b>247</b>

### Emergency stop labels

Colour&Shape	Size mm	Hole diameter mm	Code	Labels per sheet	Quantity	SW Code
yellow	62	22,5	<b>990740</b>	1	50	<b>232</b>
	90	22,5	<b>990741</b>	1	50	<b>233</b>
	90	30,5	<b>990742</b>	1	50	<b>234</b>

# MG2-SIGNS-VY

Application temperature  

 self extinguishing class  
 VO: UL 94

## PANEL LABELS

THICKNESS: —0,5 mm

**Material:** PVC film

- Operating temperature range
  - 30°C to +70°C
  - 22°F to +158°F
- Application temperature
  - +10°C to +40°C
  - +50°F to +104°F

precut

Colour&Shape	Size mm	Code	Labels per sheet	Quantity	SW Code
white	45x150	<b>990991</b>	2	100	<b>275</b>

USE

Directly on suitable surfaces





self extinguishing class  
VO: UL 94

- 40°C  
+ 130°C

temperatura di applicazione  
+ 10°C  
+ 40°C



# MG-SIGNS-PY

MG5 THERMAL TRANSFER

SELF ADHESIVE

PANEL LABELS

precut

Self adhesive Polyester film, square label with round corners

Colour&Shape	Size mm	Hole diameter mm	Code	Labels per sheet	Quantity	SW Code
metallic grey	46x46	24	47826	4	200	230



The **MG-SIGN-PY** series is used for in-house production of warning, hazard, prohibition and mandatory signs from pictograms provided in the library of GENIUSPRO software.

A highly versatile system for rapidly and accurately producing signs in all languages, on a one-off basis if required. Note: Limited resistance to UV.

**Material:** Polyester film

- Operating temperature range
  - 40°C to + 130°C
  - 40°F to + 266°F
- Application temperature
  - + 10°C to + 40°C
  - + 50°F to + 104°F

use

Directly on suitable surfaces





# ROLLY2000

**SPEED** - prints 1.000 TPM-ROLL 4x10 cable tags in less than two minutes

**CONVENIENCE** - software provides quick and easy upload of the data to be printed

**ECONOMY** - prints around 140.000 TPM-ROLL 4x10 cable tags with a single ribbon

**QUALITY** - printer resolution 300 dpi

## THERMAL TRANSFER SYSTEM

*for roll media*

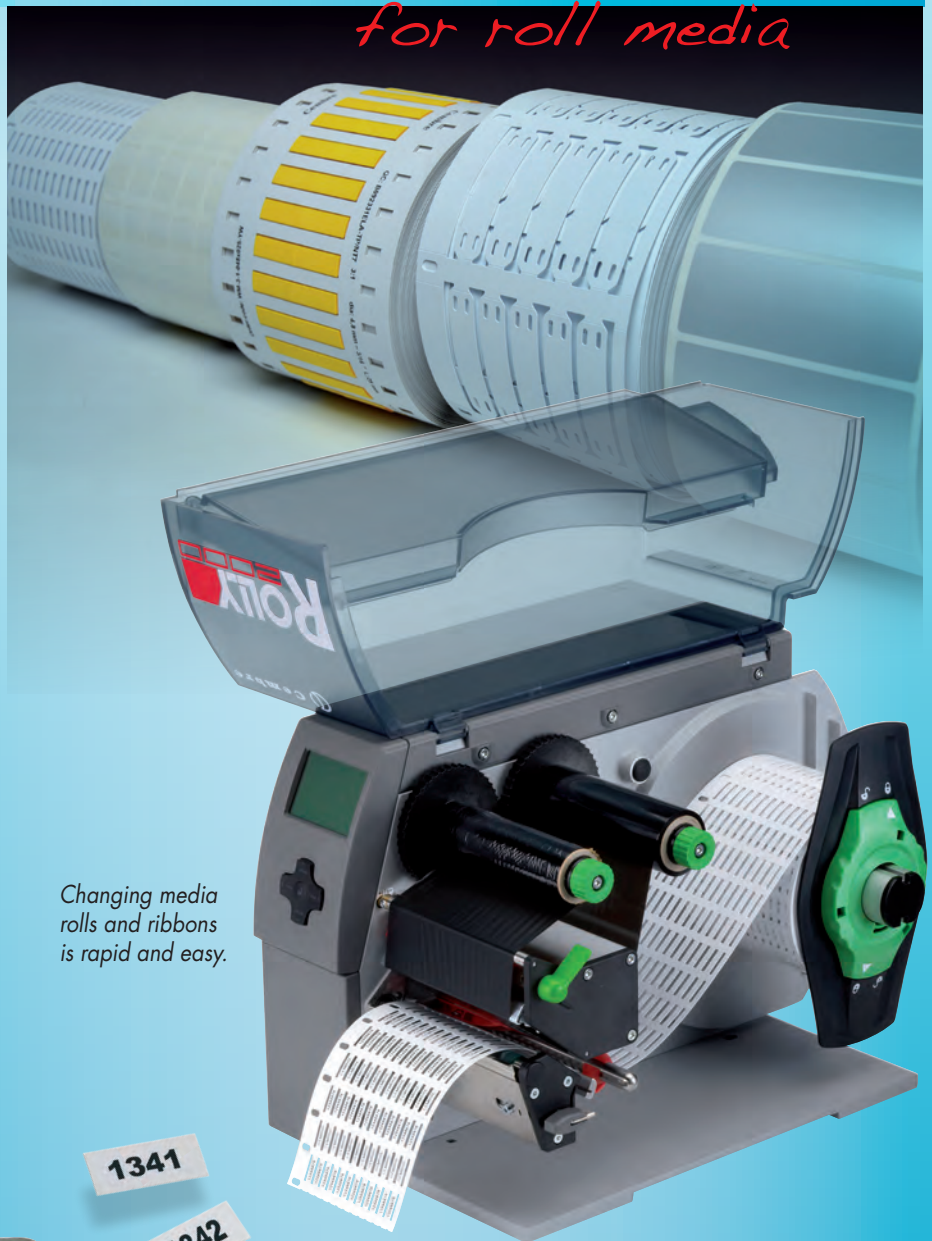
### ROLLY2000

marking system from Cembre is designed for the volume printing of cable markers and adhesive labels.

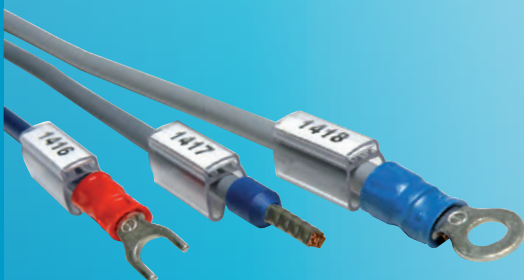
Robust and quiet, ROLLY2000 provides reliable, intensive operation in office or factory combined with the facility to optimise printer set-up according to the media.

ROLLY2000 is delivered complete with power & connection cables and GENIUSPRO software including a universal driver for Windows (XP, 7 & 8) to ensure program compatibility.

Maximum print area:  
105 mm wide, up to 2.000 mm long.



*Changing media rolls and ribbons is rapid and easy.*



Free system life-time support & training  
**is just a call or click away**





# GENIUSPRO

# SOFTWARE



Free system life-time support & training  
**is just a call or click away**

## MINIMUM SYSTEM REQUIREMENTS

- PC Processor Pentium®Dual-Core *inside™*
- 2 Gb RAM
- USB connection
- 2 Gb available hard disc space
- Video resolution 1280x1024
- Windows: XP (SP3), 7, 8 & 8.1
- Internet connection for software upgrade and remote access technical support and training

## SOFTWARE FEATURES

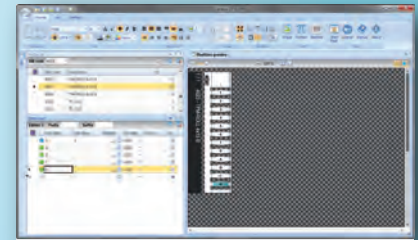
- Easy data insertion
- More than ten types of counter
- \*.txt, \*.cad, \*.dbf, \*.xls and other file types can be imported
- MATRIX, ACS and Simplo conversion
- Spac, EPLAN, IGE-XAO and Excel importation
- Customisable print output filters
- Optimised printing of media for cables, terminal blocks, control gear, connectors, push buttons, components, panels and self adhesive labels
- All Windows fonts
- Designs customised media
- Vector, drawing and clip art printing
- Free upgrades with each release
- Help function

## SOFTWARE

A decade of experience and implementation with the market-leading Genius software has enabled Cembre to set the next bench-mark in powerful printing software - GENIUSPRO.

Simple and intuitive, GENIUSPRO requires the operator to have only basic computer skills in order to access its enhanced features - including a dynamic preview of full-size media providing immediate and accurate sight of the project in hand.

Made possible by the application of prestige software development tools, GENIUSPRO users are assured of increased capability and performance when printing text, symbols and images in colour and monochrome across the range of Cembre systems.



Enter a product type or description.

Click here for support for MARKINGGenius®3 and Rolly2000 printers, GENIUSPRO software including manuals, upgrades, free software trials, user registration, licenses and remote assistance using TeamViewer via the internet.

 [www.cembre.co.uk](http://www.cembre.co.uk) 

 [www.cembreinc.com](http://www.cembreinc.com) 

ROLLY 2000 TT FOR REEL MEDIA



# PRINTER



## ROLLY2000

*thermal transfer printer for roll media*

### **Rolly2000 990910 package comprises:**

Printer Dimensions: Length 446 mm, Width 242 mm, Height 274 mm - Weight 9 kg  
Length 17.55 in., Width 9.52 in., Height 10.78 in. - Weight 19.84 lbs.

Mains cable

USB cable

Cover

Black printer ribbon TPS-060 842112

GENIUSPRO - Software on CD

(includes printer drivers, 30 day trial user licence and manual)

**ROLLY2000** is ideal for printing all Cembre flat material on rolls, eg. cable tags for holders, tie-on, wraparound cable markers, legend strips and labels.





# PRINTER

## ROLLY2000 TR1

thermal transfer printer for heat-shrinkable tubing

### ROLLY2000 TR1 990980 package comprises:

Printer Dimensions: Length 446 mm, Width 242 mm, Height 274 mm - Weight 9 kg  
Length 17.55 in., Width 9.52 in., Height 10.78 in. - Weight 19.84 lbs.

Mains cable

USB cable

Cover

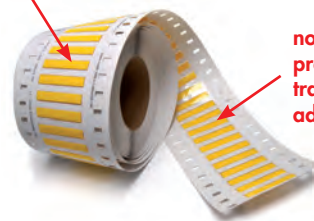
Black printer ribbon TRR-055 842121

GENIUSPRO - Software on CD  
(includes printer drivers, 30 day trial user licence and manual)

ROLLY2000 TR1 is designed for optimum single-side printing of TERMO-ROLL heat-shrinkable tubing and particularly suitable for intensive use of this material in ladder format on a roll.



printable side



non-printable side,  
protected by  
transparent  
adhesive film

**TERMO-ROLL H2 H3 M2 M3** CONTINUOUS & LADDER on one side



# PRINTER



## ROLLY2000TR2

*double-head thermal transfer printer for heat-shrinkable tubing*

### ROLLY2000TR2 990981 package comprises:

Printer Dimensions: Length 554 mm, Width 248 mm, Height 395 mm - Weight 21 kg  
Length 21.8 in., Width 9.76 in., Height 15.55 in. - Weight 46.3 lbs.

Mains cable

USB cable

Cover

Black printer ribbon TRR-055 842121

GENIUSPRO - Software on CD

(includes printer drivers, 30 day trial user licence and manual)

ROLLY2000 TR2 is designed to optimise printing simultaneously on both sides of TERMO-ROLL heat-shrinkable tubing in ladder format on a roll.

Dedicated to high level applications where dual marking is an essential specification, **eg in many rail, marine and aeronautic applications.**



printable side

printable side

front  
back

**TERMO-ROLL H2 H3 M2 M3** CONTINUOUS & LADDER on both sides

# ACCESSORIES

ROLLY2000

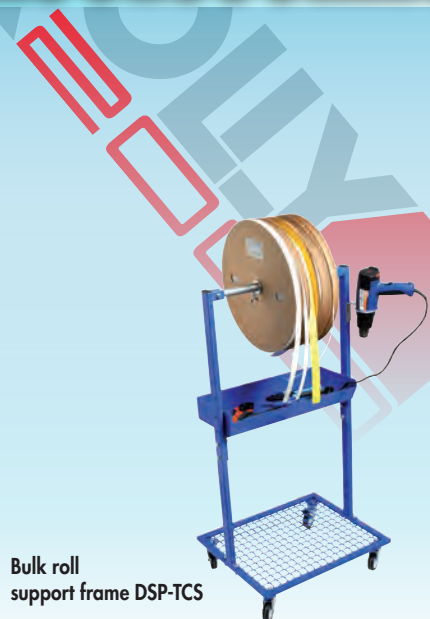
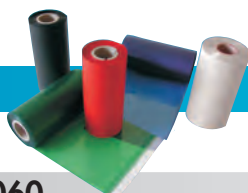
thermal transfer printer

Description	Code	Quantity
<b>ROLLY2000-CUTTER</b> Fits to front of printer. Automatically cuts to length continuous TTL and flexible TTF material	990856	1
<b>ROLLY2000TR-CUTTER</b> Fits to front of printer. Automatically cuts or precuts to length TERMO-ROLL continuous heat-shrinkable tubing	990982	1
Variable temperature electronic heat gun, power 2000 W Weight: 850 g; Temperature: 50°C to 600°C; Voltage: 230-240 V - 50 Hz	EHG 2000	1
DSP-TCS Support frame for heat shrinkable tubing on a roll	DSP-TCS	1

ROLLY2000TR-CUTTER



EHG 2000



Bulk roll support frame DSP-TCS

# RIBBONS

## MONOCHROME

### TPS-060

Colour	Description	Code	Quantity
black	Rif. PANTONE® Black C	842112	1
blue	Rif. PANTONE® 2935 C	*842113	1
red	Rif. PANTONE® 186 C	*842115	1
green	Rif. PANTONE® 354 C	*842114	1
white		842122	1
silver		*842116	1

\*Made to order



### TRR-055 for printing heat-shrinkable tubing

Colour	Code	Width mm	Quantity
black	842121	60	1

### TRPR-060 Premium for printing heat-shrinkable tubing

black	844121	60	1
-------	--------	----	---

The legibility of print produced on Cembre media ribbons meets the requirements of:

Norms	Description
EN ISO 4892-2	UV resistance
CEI 16-7	Resistance to abrasion and friction
CEI 16-7	Effect of ageing
CEI 23-11 / CEI EN 61058-1	Indelibility
CEI EN 61010-1 / VDE 0411-1	Indelibility
CEMBRE INTERNAL TEST	Indelibility
EN ISO 9227	Saline mist
CEI EN 60464-2	Resistance to solvent vapour
UNI EN ISO 175	Effect of immersion in liquid chemicals

Rolly2000 premium quality ribbons provide resin based indelible print in accordance with the scratch and abrasion resistance requirements of CEI 16-7.

Max print width 105 mm.



Ribbons provide resin based indelible print in accordance with the scratch and abrasion resistance requirements of CEI 16-7.

Specifically formulated for printing heat-shrinkable tubing

Max print width 55 mm.

Ribbon length: 360 m.



# TPM-ROLL



## CABLE TAGS

Precut 4mm push in markers, on a roll



TPM-ROLL tags are used for marking cables, conduit, tubes, conductors and components.

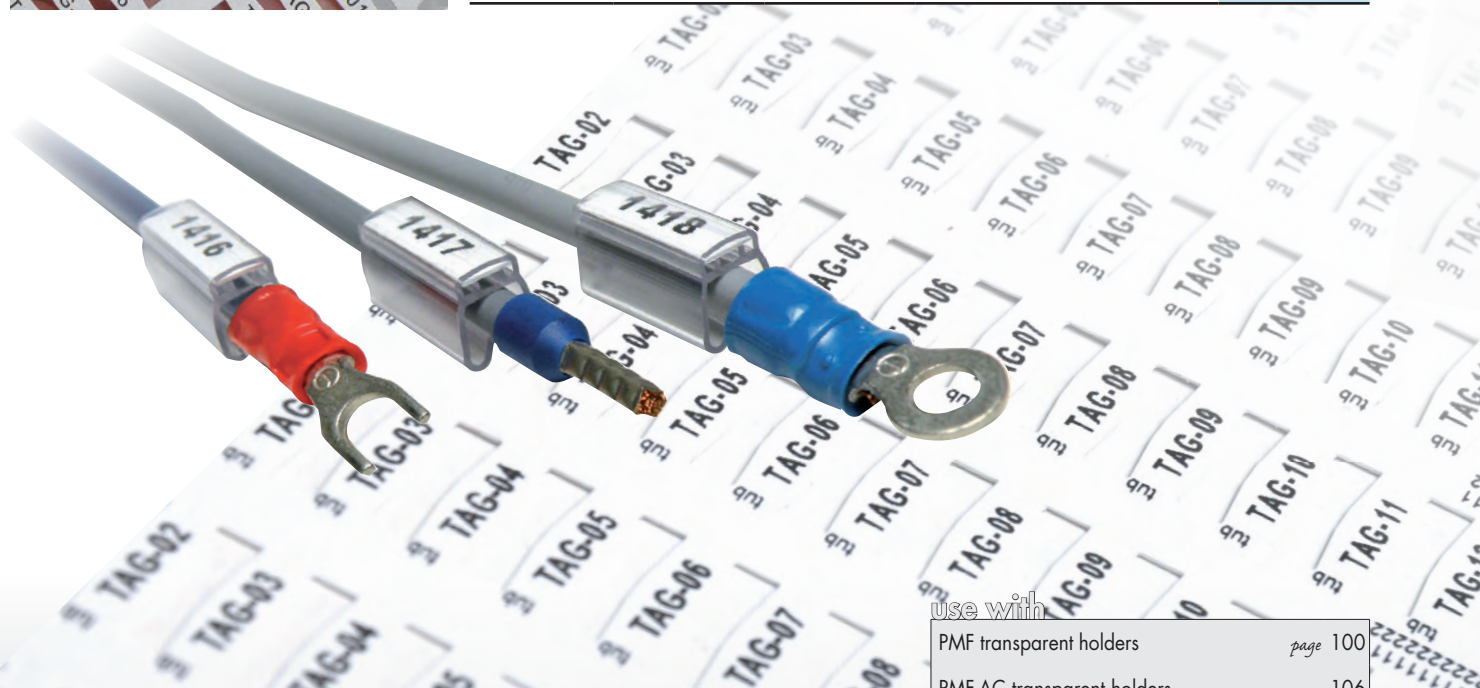
Presented in stem format, tags are simply snapped off their stems and inserted into the appropriate holders.

**Material:** Rigid PVC,  
self extinguishing class V0: UL 94

Operating temperature range  
-30°C to +60°C  
-22°F to +140°F



Colour	Size mm	Code	Quantity	SW Code	
<input type="checkbox"/> white <b>EASY ENTRY</b>	4x10	<b>44090B</b>	16.356	<b>4020</b>	
	4x12	<b>44091B</b>	12.552	<b>4022</b>	
	4x15	<b>44092B</b>	12.552	<b>4023</b>	
	4x20	<b>44093</b>	10.200	<b>4005</b>	
	<b>EASY ENTRY</b>	4x30	<b>44096B</b>	6.270	<b>4026</b>
		4x40	<b>44097</b>	5.005	<b>4007</b>
	<input type="checkbox"/> yellow <b>EASY ENTRY</b>	4x10	<b>44040B</b>	16.356	<b>4020</b>
4x12		<b>44041B</b>	12.552	<b>4022</b>	
4x15		<b>44042B</b>	12.552	<b>4023</b>	
4x20		<b>44043</b>	10.200	<b>4005</b>	
<b>EASY ENTRY</b>		4x30	<b>44046B</b>	6.270	<b>4026</b>
		4x40	<b>44047</b>	5.005	<b>4007</b>



use with

PMF transparent holders	page 100
PMF-AC transparent holders	106
PMF-ET transparent holders	106



self extinguishing class VO: UL 94



# TAR-ROLL

9mm LEGENDS

serie **FLAT**

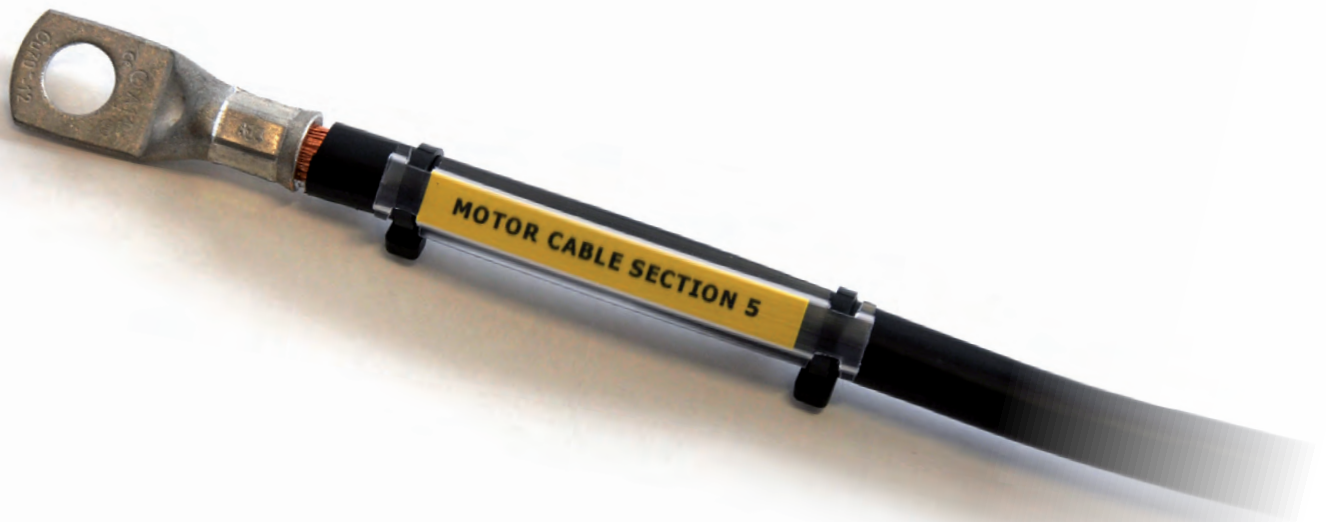
on a roll

Colour	Size mm	Code	Quantity	SW Code
<input type="checkbox"/> white	9x20	<b>75098</b>	5.800	<b>4301</b>
	9x70	<b>75099</b>	1.450	<b>4300</b>
<input type="checkbox"/> yellow	9x70	<b>75049</b>	1.450	<b>4300</b>

**TAR-ROLL** tags are used for marking cables, conduit, tubes, conductors and components.

**Material:** Rigid PVC, self extinguishing class VO: UL 94

⚡ Operating temperature range  
-30°C to +60°C  
-22°F to +140°F



### use with

PMT-AC legend holders	page 108
PMT-ET legend holders	108
PMT-DT legend holders	108
PMT-CT transparent holders & cable ties	109
RTR-TAPW & RTA-TAPW legend rails	119



# ETF-ROLL



self extinguishing class  
VO: UL 94



## CABLE & CONDUIT TAGS

precut, one piece markers, tie-on



Cable tie max width 4,8mm. Print area 11x35 mm

Colour	Size mm	Code	Quantity	SW Code
<input type="checkbox"/> white	13x57	44192	1.775	4400
<input type="checkbox"/> yellow	13x57	44142	1.775	4400
<input type="checkbox"/> red	13x57	44122	1.775	4400
<input type="checkbox"/> blue	13x57	44162	1.775	4400

ETF-ROLL tags are used with cable ties for marking large diameter cables, hoses, tubes and conduit.

**Material:** Rigid PVC,  
self extinguishing class VO: UL 94

Operating temperature range  
 -30°C to +60°C  
 -22°F to +140°F



use

Directly on cables using appropriate cable ties, see page 110



## WRAPAROUND CABLE MARKERS

*self adhesive, precut*

### KM-ROLL 025 Wrapping diameter 2,6 ÷ 4,1 mm. Overall length A: 25 mm

Colour	Print area CxB mm	Code	Columns	Rows	Quantity	SW Code
□ white	9x15	58955-015N	5	1.700	8.500	4600
	9x23	58955-023N	4	1.700	6.800	4601
■ yellow	9x15	58455-015N	5	1.700	8.500	4600
	9x23	58455-023N	4	1.700	6.800	4601

### KM-ROLL 038 Wrapping diameter 4,3 ÷ 7 mm. Overall length A: 38 mm

□ white	10x15	58950-015N	5	1.200	6.000	4602
	10x23	58950-023N	4	1.200	4.800	4603
■ yellow	10x15	58450-015N	5	1.200	6.000	4602
	10x23	58450-023N	4	1.200	4.800	4603

### KM-ROLL 050 Wrapping diameter 6 ÷ 10 mm. Overall length A: 50 mm

□ white	15x15	58951-015N	5	900	4.500	4604
	15x23	58951-023N	4	900	3.600	4605
■ yellow	15x15	58451-015N	5	900	4.500	4604
	15x23	58451-023N	4	900	3.600	4605

### KM-ROLL 075 Wrapping diameter 8 ÷ 14 mm. Overall length A: 75 mm

□ white	25x15	58952-015N	5	600	3.000	4606
	25x23	58952-023N	4	600	2.400	4607
■ yellow	25x15	58452-015N	5	600	3.000	4606
	25x23	58452-023N	4	600	2.400	4607

### KM-ROLL 100 Wrapping diameter 12 ÷ 20 mm. Overall length A: 97 mm

□ white	25x15	58953-015N	5	480	2.400	4608
	25x23	58953-023N	4	480	1.920	4609
■ yellow	25x15	58453-015N	5	480	2.400	4608
	25x23	58453-023N	4	480	1.920	4609

### KM-ROLL 135 Wrapping diameter 17,5 ÷ 34 mm. Overall length A: 135 mm


□ white	25x15	58954-015N	5	350	1.750	4610
	25x23	58954-023N	4	350	1.400	4611
■ yellow	25x15	58454-015N	5	350	1.750	4610
	25x23	58454-023N	4	350	1.400	4611

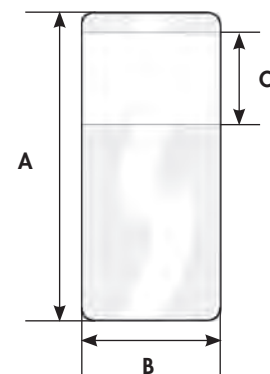
# KM-ROLL

KM-ROLL wraparound cable markers are suitable for identifying large diameter cables, tubes and conduit.

Printing on Rolly2000, is exceptionally clear and legible and is protected from chemical and atmospheric agents.

**Material:** PET Polyethylene Terephthalate, self adhesive.

 Operating temperature range  
 - 40°C to + 130°C  
 - 104°F to + 266°F  
 Application temperature  
 + 10°C to + 40°C  
 + 50°F to + 104°F



#### USE

Directly on cables, etc in accordance with wrapping diameter limitations shown for each size.



# VCT-ROLL



Application temperature  
+ 10°C  
+ 40°C



## LABELS

*self adhesive, precut*

Colour	Size mm	Code	Quantity	SW Code
■ yellow	9x20	<b>48044</b>	17.360	<b>4502</b>
	40x7	<b>48043</b>	11.600	<b>4500</b>
	100x10	<b>48042</b>	3.880	<b>4501</b>

Dielectric labels on a roll, with permanent adhesive backing and increased resistance to ageing.

**Material:** PVC Coated fabric

⚡ Operating temperature range

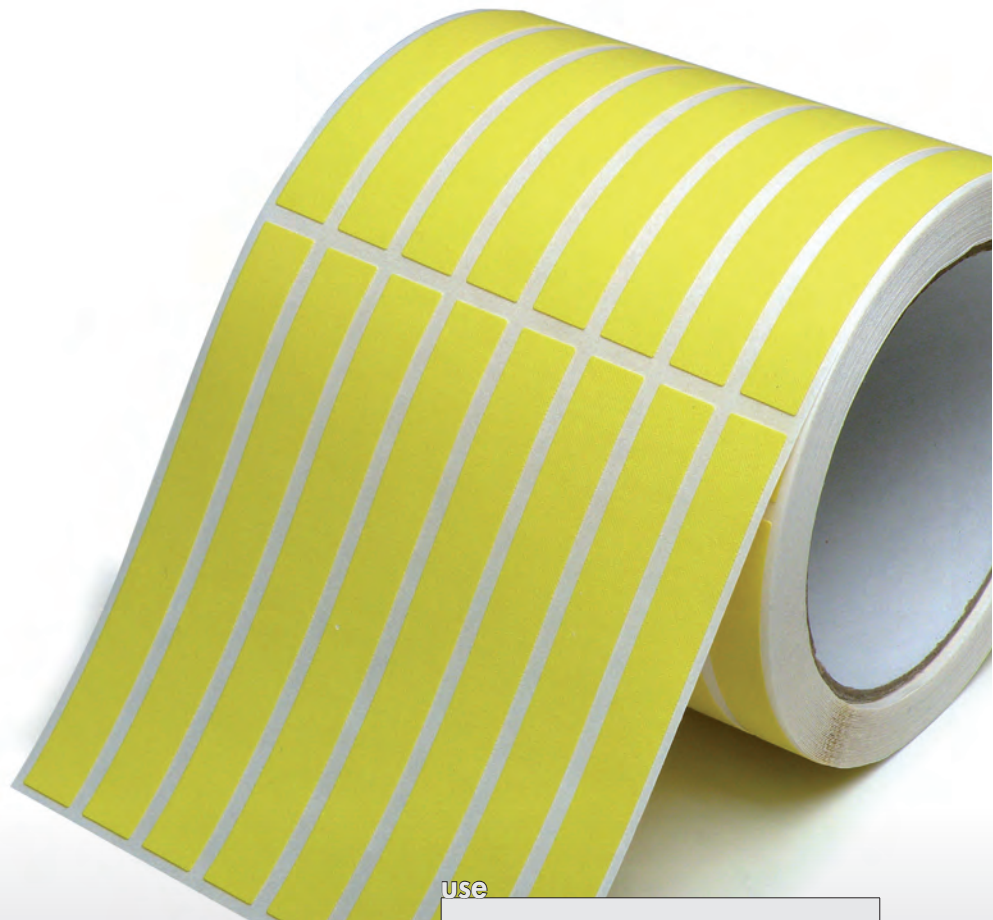
-40°C to +150°C

-40°F to +302°F

Application temperature

+10°C to +40°C

+50°F to +104°F



USE

Directly on suitable surfaces



## MODULAR COMPONENT LEGEND STRIPS


on a roll

Colour	Height mm	Tracks	Code	Length m	Quantity	Length Print area mm	SW Code
□ white	15	4	<b>13160</b>	25	1	430	<b>5002</b>
						630	<b>5102</b>
						1.000	<b>5202</b>
	21	3	<b>13161</b>	25	1	430	<b>5005</b>
						1.000	<b>5205</b>
	36	2	<b>13162</b>	25	1	430	<b>5006</b>
1.000						<b>5206</b>	
40	2	<b>13179</b>	25	1	free	<b>4294</b>	
80	1	<b>13290</b>	25	1	free	<b>4282</b>	
■ yellow	15	4	<b>13164</b>	25	1	430	<b>5002</b>
						630	<b>5102</b>
						1.000	<b>5202</b>
	21	3	<b>13171</b>	25	1	430	<b>5005</b>
						1.000	<b>5205</b>
	36	3	<b>13172</b>	25	1	430	<b>5006</b>
1.000						<b>5206</b>	
40	2	<b>13174</b>	25	1	free	<b>4294</b>	
80	1	<b>13240</b>	25	1	free	<b>4282</b>	

Continuous **STRIP-ROLL** can be used for the identification of modular components.

GENIUSPRO software allows max label length 1.000 mm, with the ability to customise the pitch.

**Material:** Rigid PVC, self extinguishing class VO: UL 94

 Operating temperature range  
 -30°C to +60°C  
 -22°F to +140°F

use with

RTR-TAP & RTA-TAP legend rails

page 118




## MODULAR COMPONENT LEGEND STRIPS

**SELF ADHESIVE**

on a roll

Colour	Height mm	Tracks	Code	Length m	Quantity	Length Print area mm	SW Code
□ white	15	4	<b>13189</b>	25	1	430	<b>5002</b>
						630	<b>5102</b>
						1.000	<b>5202</b>

**Material:** Polyester film, self adhesive.

 Operating temperature range  
 -40°C to +130°C  
 -40°F to +266°F  
 Application temperature  
 +10°C to +40°C  
 +50°F to +104°F

use

Directly on suitable surfaces

# STRIP-ROLL-R



# STRIP-ROLL-PY



## THERMAL TRANSFER LABELS

*self adhesive, on a roll*

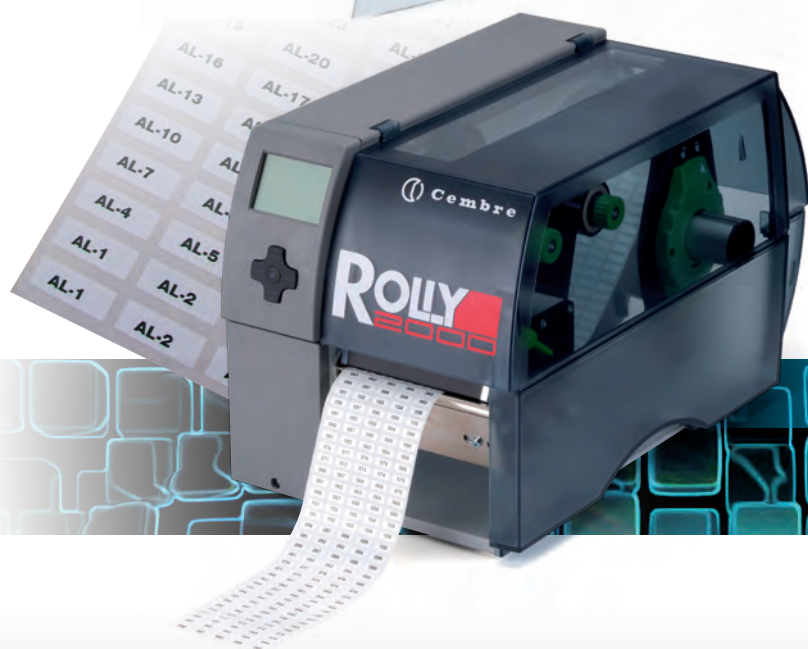
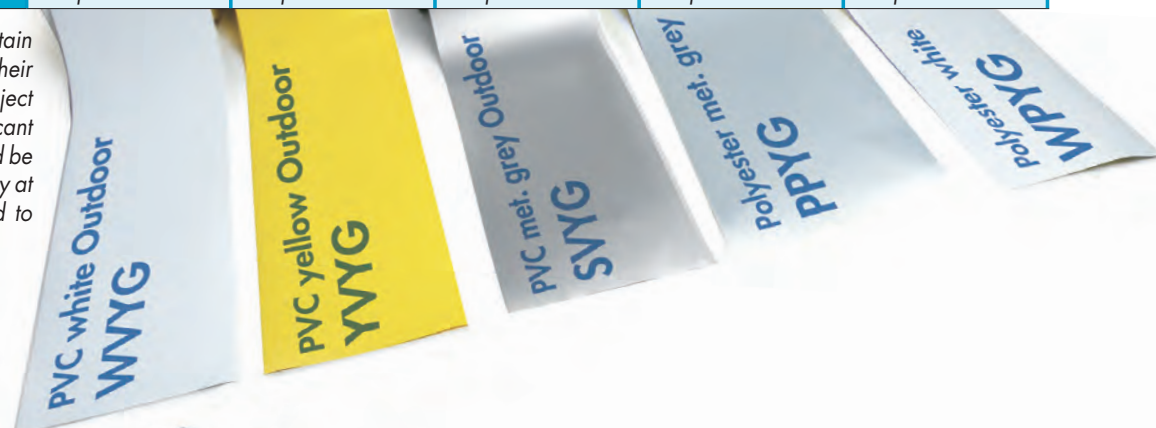
Thermal transfer labels are made from materials which are not temperature sensitive and whose surfaces are treated to accept the pigment from the ribbon heated by the print head.

Labels are normally die-cut on a roll and arranged horizontally with respect to the printer output, although some are arranged vertically.

### MATERIAL

	WVYG	YVYG	SVYG	PPYG	WPYG
<b>Material</b>	PVC film (outdoor)	PVC film (outdoor)	PVC film (outdoor)	Polyester film	Polyester film
<b>Colour</b>	<input type="checkbox"/> white	<input checked="" type="checkbox"/> yellow	<input checked="" type="checkbox"/> metallic grey	<input type="checkbox"/> metallic grey	<input type="checkbox"/> white
<b>Surface</b>	gloss	gloss	gloss	gloss	gloss
<b>Thickness <math>\mu</math></b>	80	80	73	50	50
<b>Operating temperature</b>	-30°C to +70°C -22°F to +158°F	-30°C to +70°C -22°F to +158°F	-30°C to +70°C -22°F to +158°F	-40°C to +130°C -40°F to +266°F	-40°C to +130°C -40°F to +266°F
<b>Application temperature</b>	+10°C to +40°C +50°F to +104°F	+10°C to +40°C +50°F to +104°F	+10°C to +40°C +50°F to +104°F	+10°C to +40°C +50°F to +104°F	+10°C to +40°C +50°F to +104°F
<b>UV resistance</b>	****	****	****	**	*
<b>Adhesive</b>	permanent	permanent	permanent	permanent	permanent

When not in use, labels will maintain their good condition if stored in their original packaging and not subject to excessive heat or significant temperature variation. They should be removed from their packaging only at the time of use and not exposed to moisture for long periods.

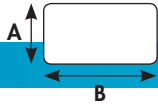


### SOFTWARE

The GENIUSPRO printing software developed by Cembre facilitates the rapid creation and printing of the most diverse layout of labels.

With its graphic capabilities, text, logos, images and symbols are easily created, imported and manipulated, while the program will also manage many types of barcode.

The interface is user friendly and installation is quick and easy.



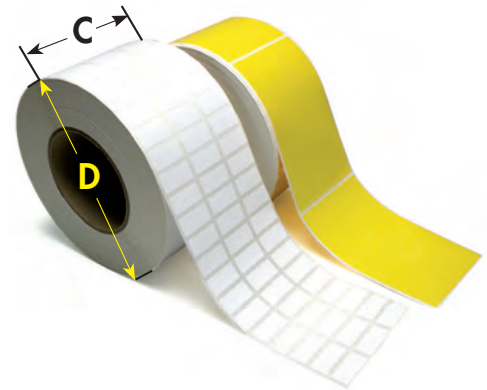
## THERMAL TRANSFER LABELS

self adhesive, roll

### Rectangular, horizontal arrangement

Size A x B mm	Code	Tracks	C mm	D mm	Quantity	SW Code
5 x 12,7	8400001....	5	82	158	49.500	4125
5 x 20	8400123...	4	93	158	40.000	4126
6 x 15	8400101....	5	93	135	30.000	4100
6,3 x 19	8400005....	3	72	158	25.665	4129
7 x 10	8400093....	5	70	158	40.000	4113
7 x 15	8400008....	4	77	158	32.000	4102
7 x 20	* 8401010....	3	75	158	24.000	4101
8 x 12	8400091....	4	65	158	29.080	4109
9 x 15	8400092....	4	76	158	26.660	4107
9 x 20	8400017....	3	72	158	19.995	4106
9 x 38	8400094....	2	88	158	13.330	4108
10 x 32	8400081....	2	73	158	12.300	4146
12 x 25	8400023....	3	89	158	16.005	4112
12 x 35	8400088....	2	80	158	10.660	4148
12 x 40	8400024....	2	89	158	10.660	4149
12,7 x 50	8400028....	2	111	138	8.000	4153
15 x 20	8400029....	4	95	158	17.760	4155
15 x 27	* 8401008....	3	94	158	13.320	4120
15 x 34	8400030....	2	77	135	6.500	4156
15 x 78	8400031....	1	89	158	4.440	4157
18 x 30	8400032....	3	103	158	11.415	4105
18 x 47	8400034....	2	103	158	7.610	4159
21 x 70	8400070....	1	76	158	3.330	4162
22 x 40	8400038....	2	89	135	4.800	4164
22 x 110	8400067....	1	116	158	3.200	4165
25 x 45	8400073....	2	99	158	5.710	4168
25 x 80	8400075....	1	86	120	2.100	4170
25,7 x 50	8400041....	2	111	135	4.200	4172
30 x 50	8400042....	1	60	158	2.420	4175
30 x 80	8400072....	1	86	158	2.420	4176
30 x 100	8400044....	1	111	158	2.420	4177
34 x 60	8400066....	1	66	165	3.200	4182
37 x 74	8400049....	1	82	158	2.000	4186
40 x 60	8400050....	1	72	158	1.860	4110
40 x 80	8400051....	1	89	165	2.800	4188
40 x 90	8400083....	1	96	158	1.860	4121
50 x 80	8400053....	1	89	165	2.200	4192
52 x 105	8400054....	1	111	163	2.100	4194
60 x 80	8400055....	1	89	158	1.265	4195
60 x 100	8400056....	1	111	220	1.850	4197
75 x 105	8400086....	1	111	158	600	4199

\*Square corners



Max print area 105 mm

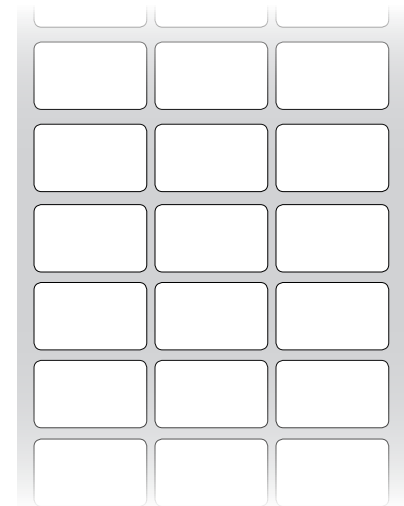
Spool diameter: ø 76 mm (3 in.)

Materials available: see p. 58

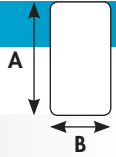
Add material reference below to Code

[No transparent Polyester](#)

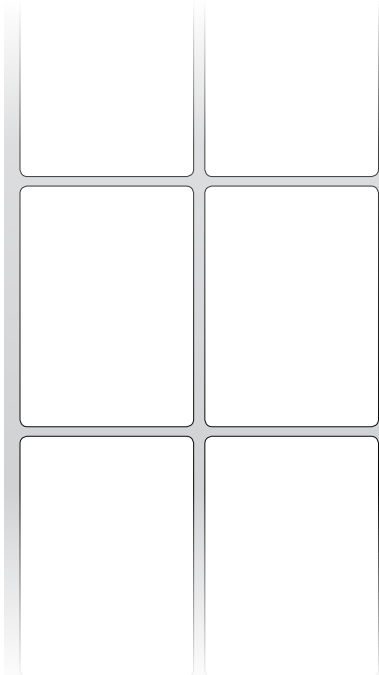
### HORIZONTAL ARRANGEMENT



TTL self adhesive, roll

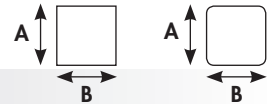


### VERTICAL ARRANGEMENT



### Rectangular, vertical arrangement

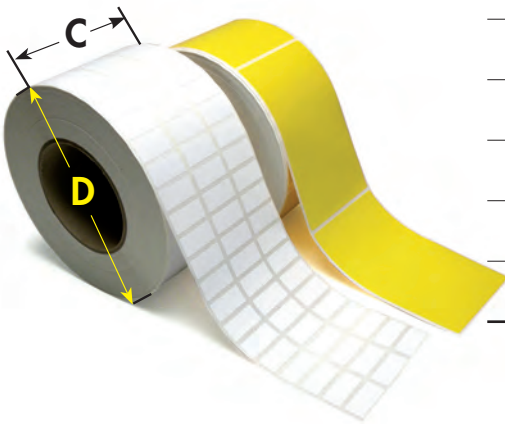
Size A x B mm	Code	Tracks	C mm	D mm	Quantity	SW Code
63 x 45,5	8400052....	2	103	165	3.600	4250
105 x 90	8400097....	1	111	158	700	4251
120 x 60	8400057....	1	72	163	950	4252
120 x 70	8400079....	1	76	158	650	4253
130 x 64,5	8400058....	1	72	158	600	4254
140 x 98	8400059....	1	103	165	800	4255
180 x 51	8400095....	2	111	125	540	4256
180 x 105	8400061....	1	111	153	500	4257



### Square

Size A x B mm	Code	Tracks	C mm	D mm	Quantity	SW Code
16 x 16	* 8402000....	5	103	158	21.050	4200
20 x 20	8403000....	4	95	158	13.900	4201
30 x 30	8403001....	3	103	158	7.260	4202
40 x 40	* 8402003....	2	89	158	3.720	4203
70 x 70	8403003....	1	77	158	1.600	4204
100 x 100	8403004....	1	111	158	1.100	4205

\*Square corners



Max print area 105 mm

Spool diameter: ø 76 mm (3 in.)

Materials available: see p. 58

Add material reference below to Code

[No transparent Polyester](#)





## CONTINUOUS MATERIAL

for thermal transfer printing, on a roll

Continuous material is made from materials which are not temperature sensitive and whose surfaces are treated to accept the pigment from the ribbon heated by the print head.



### MATERIAL

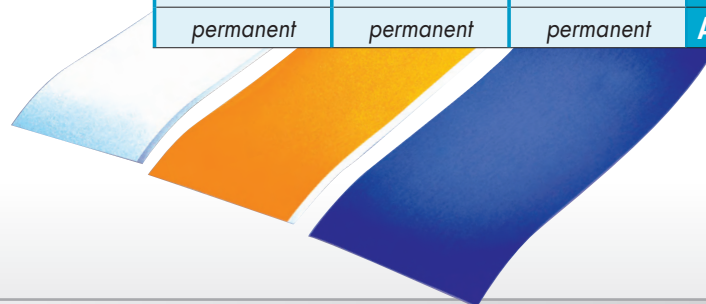
WVYG	YVYG	SVYG	PPYG	CPYG	WPYG	
PVC film (outdoor)	PVC film (outdoor)	PVC film (outdoor)	Polyester film	PET	Polyester film	Material
□ white	■ yellow	■ metallic grey	■ metallic grey	□ transparent	□ white	Colour
gloss	gloss	gloss	gloss	gloss	gloss	Surface
80	80	73	50	23	50	Thickness μ
-30°C to +70°C -22°F to +158°F	-30°C to +70°C -22°F to +158°F	-30°C to +70°C -22°F to +158°F	-40°C to +130°C -40°F to +266°F	-40°C to +130°C -40°F to +266°F	-40°C to +130°C -40°F to +266°F	Operating temperature
+10°C to +40°C +50°F to +104°F	+10°C to +40°C +50°F to +104°F	+10°C to +40°C +50°F to +104°F	+10°C to +40°C +50°F to +104°F	+10°C to +40°C +50°F to +104°F	+10°C to +40°C +50°F to +104°F	Application temperature
****	****	****	**	***	*	UV resistance
permanent	permanent	permanent	permanent	permanent	permanent	Adhesive



When not in use, labels will maintain their good condition if stored in their original packaging and not subject to excessive heat or significant temperature variation. They should be removed from their packaging only at the time of use and not exposed to moisture for long periods.

### REFLECTIVE MATERIAL

WCYG/5	YCYG/5	BCYG/5	
PVC film (outdoor)	PVC film (outdoor)	PVC film (outdoor)	Reflective material
□ white	■ yellow	■ blue	Colour
gloss	gloss	gloss	Surface
80	80	80	Thickness μ
-30°C to +70°C -22°F to +158°F	-30°C to +70°C -22°F to +158°F	-30°C to +70°C -22°F to +158°F	Operating temperature
+10°C to +40°C +50°F to +104°F	+10°C to +40°C +50°F to +104°F	+10°C to +40°C +50°F to +104°F	Application temperature
****	****	****	UV resistance
permanent	permanent	permanent	Adhesive



# TTF

## SELF ADHESIVE CONTINUOUS MATERIAL

SELF ADHESIVE

for thermal transfer printing, on a roll

Spool diameter: ø 76 mm (3 in.)

Materials available: see p. 61  
Add material reference below to Code

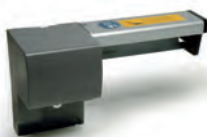
Length m	Width mm	Code	Quantity	SW Code
125	25,4	*8506012...	1	4287
125	35	*8506003...	1	4280
125	40	*8506004...	1	4281
125	50	*8506011...	1	4283
125	58	*8506010...	1	4285
125	80	*8506001...	1	4282
125	105	8506000...	1	4284

## REFLECTIVE FINISH

Colour	Length m	Width mm	Code	Quantity	SW Code
□ white	24	35	*85060007WCYG/5	1	4280
	24	80	8506008WCYG/5	1	4282
	24	105	8506006WCYG/5	1	4284
■ yellow	24	35	*8506007YCYG/5	1	4280
	24	80	8506008YCYG/5	1	4282
	24	105	8506006YCYG/5	1	4284
■ blue	24	115	8506009BCYG/5	1	4286

\*Print only with ROLLY2000TR1 printer and TPS-060 ribbon, print width 105mm.

**OPTIONAL ACCESSORY**  
**ROLLY2000-CUTTER 990856**



# TTF

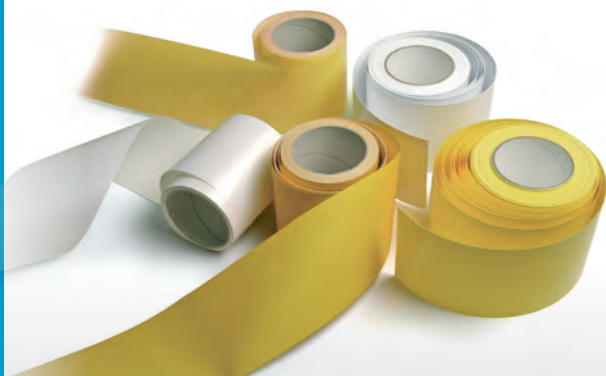
## CONTINUOUS MATERIAL

THICKNESS: — 0,4 mm

for thermal transfer printing, on a roll

Material: Rigid PVC, self extinguishing according to class V0 (UL 94)

Colour	Length m	Width mm	Code	Quantity	SW Code
□ white	25	100	8506002WVRG	1	4290
■ yellow	25	100	8506002YVRG	1	4290





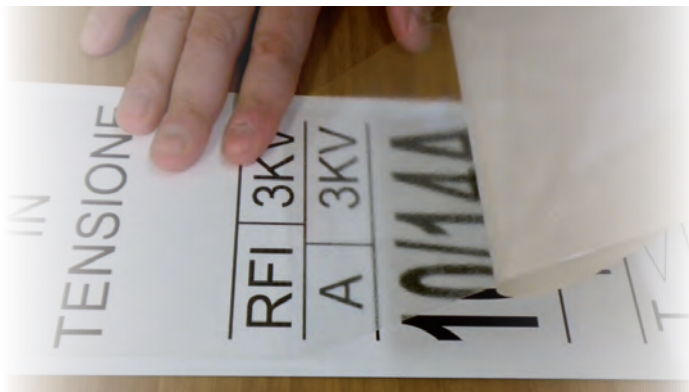
# GMC-AL

## ALUMINIUM MOUNTING PLATES

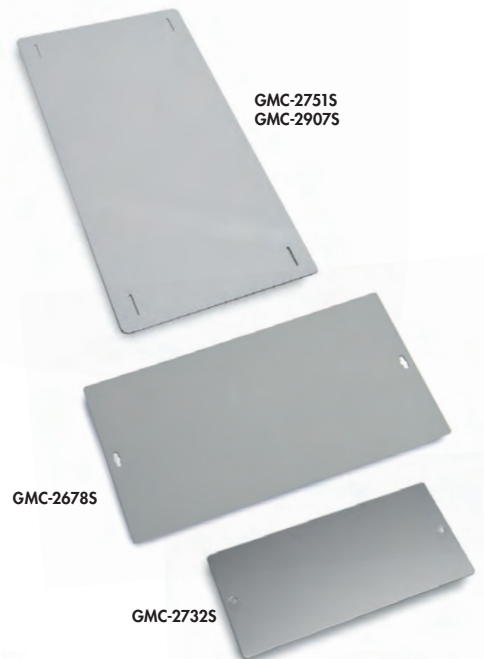
for mounting continuous material

Code	Description	Quantity Box/Bag
<b>GMC-2751S</b>	White, 225 x 120mm x 0.5mm with round corners and fixing slots. Suits labels TTL8400061... or GMC-2700S + TTL84000978	10 / 10
<b>GMC-2907S</b>	White, 430 x 120mm x 0.5mm with round corners and fixing slots. Suits a wide range of labels	10 / 10
<b>GMC-2678S</b>	White, 115 x 200mm x 0.5mm with round corners, 2 holes and fixing slots. Suits labels TTL8400061...	300 / 10
<b>GMC-2732S</b>	White, 70 x 140mm x 0.5mm with round corners and 2 fixing holes. Suits labels TTL8400057	50 / 50

Cembre TTL and TTF labels stuck to Aluminium mounting plates are easily fixed to poles, columns, pylons and structures via the slot or holes provided.



When used externally the application of an additional transparent film CPYG, will improve resistance to environmental agents. (see p. 61)



USE

Stainless Steel cable tie GX range

page 114



# TERMO-ROLL

# H2



CEN/TS  
45545-2:2009



- 40°C  
+ 105°C



## HEAT-SHRINKABLE TUBING

printable on one side only

LADDER

with ROLLY2000TR1 990980 printer and black ribbon TRR-055 842121.

**HIGH GRADE  
SHRINKAGE RATIO 2:1**



H2 type heat-shrinkable tubing is used to provide highly legible and resistant identification of cables, pipes, conduits, etc within a minimum space.

Halogen Free composition provides flame retardancy and low smoke emission characteristics suitable for safety critical applications including closed environments such as tunnels and subways, rail installations, marine and industrial applications.

**Material:** Irradiated Polyolefin, shrinkage ratio 2:1

⚙️ Temperature range:  
- 40°C to + 105°C  
- 40°F to + 221°F

Minimum shrinkage temperature: 90°C (194°F)

### Technical:

**Adherence:** MIL-M 81531 AS (SAE-S81531-1998), point 4.6.2.

### Resistance to liquids, after the shrinkage:

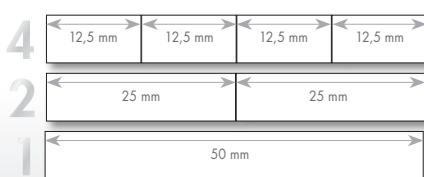
- MIL-STD-202G test method 215 2002 (MIL-M81531/AS SAE-AS81531-1998 clause 3.4.3)
- EN 50343:2000, table 6 and points 7.6.2/7.6.3 Railway applications, signaling and subways - Rolling stock - Rules for installation of cabling

### Flammability:

ASTM D635, Pass » flame retardant.

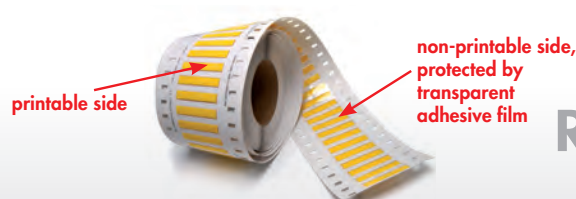
**Meets the requirements for fire testing of materials and components for trains in CEN/TS 45545-2:2009**

TUBES PER STEP



Colour	Internal Ø before shrinking mm	Pre-cut length mm	Code	Tubes per step	Quantity	SW Code
<b>H2-24</b> Cable ext. Ø range 1,6 ÷ 2 mm (0.06" - 0.08" in.) Cable c.s.a range 0,25 ÷ 0,5 mm <sup>2</sup> (26 - 20 AWG)						
<input type="checkbox"/> white	24	50	H2-24-50-WH1	2	1.000	4804
<b>H2-32</b> Cable ext. Ø range 1,8 ÷ 2,8 mm (0.07" - 0.11" in.) Cable c.s.a range 0,5 ÷ 1 mm <sup>2</sup> (24 - 18 AWG)						
<input type="checkbox"/> white	3,2	12,5	H2-32-12.5-WH1	4	4.000	4810
		25	H2-32-25-WH1	2	2.000	4812
		50	H2-32-50-WH1	1	1.000	4814
<input type="checkbox"/> yellow	3,2	12,5	H2-32-12.5-YE1	4	4.000	4810
		25	H2-32-25-YE1	2	2.000	4812
		50	H2-32-50-YE1	1	1.000	4814
<b>H2-48</b> Cable ext. Ø range 2,8 ÷ 4,2 mm (0.11" - 0.16" in.) Cable c.s.a range 1 ÷ 2,5 mm <sup>2</sup> (16 - 14 AWG)						
<input type="checkbox"/> white	4,8	12,5	H2-48-12.5-WH1	4	4.000	4820
		25	H2-48-25-WH1	2	2.000	4822
		50	H2-48-50-WH1	1	1.000	4824
<input type="checkbox"/> yellow	4,8	12,5	H2-48-12.5-YE1	4	4.000	4820
		25	H2-48-25-YE1	2	2.000	4822
		50	H2-48-50-YE1	1	1.000	4824
<b>H2-64</b> Cable ext. Ø range 4,2 ÷ 5,8 mm (0.16" - 0.23" in.) Cable c.s.a range 4 ÷ 6 mm <sup>2</sup> (12 - 10 AWG)						
<input type="checkbox"/> white	6,4	12,5	H2-64-12.5-WH1	4	4.000	4830
		25	H2-64-25-WH1	2	2.000	4832
		50	H2-64-50-WH1	1	1.000	4834
<input type="checkbox"/> yellow	6,4	12,5	H2-64-12.5-YE1	4	4.000	4830
		25	H2-64-25-YE1	2	2.000	4832
		50	H2-64-50-YE1	1	1.000	4834
<b>H2-95</b> Cable ext. Ø range 5,8 ÷ 8 mm (0.23" - 0.31" in.) Cable c.s.a range 10 ÷ 16 mm <sup>2</sup> (8 - 6 AWG)						
<input type="checkbox"/> white	9,5	12,5	H2-95-12.5-WH1	4	2.000	4840
		25	H2-95-25-WH1	2	1.000	4842
		50	H2-95-50-WH1	1	500	4844
<input type="checkbox"/> yellow	9,5	12,5	H2-95-12.5-YE1	4	2.000	4840
		25	H2-95-25-YE1	2	1.000	4842
		50	H2-95-50-YE1	1	500	4844
<b>H2-127</b> Cable ext. Ø range 8 ÷ 11 mm (0.31" - 0.43" in.) Cable c.s.a range 25 ÷ 35 mm <sup>2</sup> (4 - 2 AWG)						
<input type="checkbox"/> white	12,7	50	H2-127-50-WH1	1	500	4854
<input type="checkbox"/> yellow	12,7	50	H2-127-50-YE1	1	500	4854
<b>H2-190</b> Cable ext. Ø range 11 ÷ 17 mm (0.43" - 0.66" in.) Cable c.s.a range 35 ÷ 50 mm <sup>2</sup> (2 - 1/0 AWG)						
<input type="checkbox"/> white	19,1	50	H2-190-50-WH1	1	500	4864
<input type="checkbox"/> yellow	19,1	50	H2-190-50-YE1	1	500	4864
<b>H2-254</b> Cable ext. Ø range 17 ÷ 23 mm (0.66" - 0.90" in.) Cable c.s.a range 50 ÷ 120 mm <sup>2</sup> (1/0 - 4/0 AWG)						
<input type="checkbox"/> white	25,4	50	H2-254-50-WH1	1	300	4874
<input type="checkbox"/> yellow	25,4	50	H2-254-50-YE1	1	300	4874
<b>H2-508</b> Cable ext. Ø range 23 ÷ 48 mm (1.06" - 1.90" in.) Cable c.s.a range 240 ÷ 400 mm <sup>2</sup> (500 - 800 MCM)						
<input type="checkbox"/> white	50,8	50	H2-508-50-WH1	1	100	4894

It is advisable to select the tubing size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.





# H2

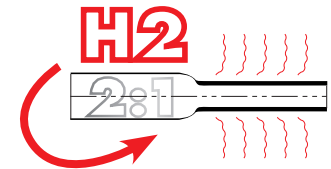
# TERMO-ROLL

## HEAT-SHRINKABLE TUBING

printable on both sides

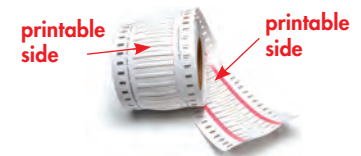
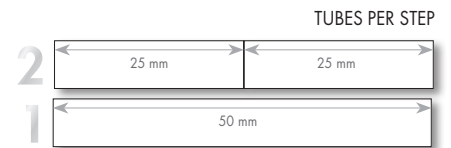
with ROLLY2000TR2 990981 printer and black ribbon TRR-055 842121.

**HIGH GRADE  
SHRINKAGE RATIO 2:1**



Features and specifications  
see p. 64

H2-24	Cable ext. Ø range 1,6 ÷ 2 mm (0.06" - 0.08" in.) Cable c.s.a range 0,25 ÷ 0,5 mm <sup>2</sup> (26 - 20 AWG)					
Colour	Internal Ø before shrinking mm	Pre-cut length mm	Code	Tubes per step	Quantity	SW Code
□ white	2,4	25	H2-24-25-WH2	2	2.000	4802
		50	H2-24-50-WH2	1	1.000	4804
■ yellow	2,4	25	H2-24-25-YE2	2	2.000	4802
		50	H2-24-50-YE2	1	1.000	4804
H2-32	Cable ext. Ø range 1,8 ÷ 2,8 mm (0.07" - 0.11" in.) Cable c.s.a range 0,5 ÷ 1 mm <sup>2</sup> (24 - 18 AWG)					
□ white	3,2	25	H2-32-25-WH2	2	2.000	4812
		50	H2-32-50-WH2	1	1.000	4814
		50	H2-32-50-WH2BULK	1	5.000	4814
■ yellow	3,2	25	H2-32-25-YE2	2	2.000	4812
		50	H2-32-50-YE2	1	1.000	4814
H2-48	Cable ext. Ø range 2,8 ÷ 4,2 mm (0.11" - 0.16" in.) Cable c.s.a range 1 ÷ 2,5 mm <sup>2</sup> (16 - 14 AWG)					
□ white	4,8	25	H2-48-25-WH2	2	2.000	4822
		50	H2-48-50-WH2	1	1.000	4824
		50	H2-48-50-WH2BULK	1	5.000	4824
■ yellow	4,8	25	H2-48-25-YE2	2	2.000	4822
		50	H2-48-50-YE2	1	1.000	4824
H2-64	Cable ext. Ø range 4,2 ÷ 5,8 mm (0.16" - 0.23" in.) Cable c.s.a range 4 ÷ 6 mm <sup>2</sup> (12 - 10 AWG)					
□ white	6,4	25	H2-64-25-WH2	2	2.000	4832
		50	H2-64-50-WH2	1	1.000	4834
		50	H2-64-50-WH2BULK	1	3.000	4834
■ yellow	6,4	25	H2-64-25-YE2	2	2.000	4832
		50	H2-64-50-YE2	1	1.000	4834
H2-95	Cable ext. Ø range 5,8 ÷ 8 mm (0.23" - 0.31" in.) Cable c.s.a range 10 ÷ 16 mm <sup>2</sup> (8 - 6 AWG)					
□ white	9,5	25	H2-95-25-WH2	2	1.000	4842
		50	H2-95-50-WH2	1	500	4844
		50	H2-95-50-WH2BULK	1	2.000	4844
■ yellow	9,5	25	H2-95-25-YE2	2	1.000	4842
		50	H2-95-50-YE2	1	500	4844
H2-127	Cable ext. Ø range 8 ÷ 11 mm (0.31" - 0.43" in.) Cable c.s.a range 25 ÷ 35 mm <sup>2</sup> (4 - 2 AWG)					
□ white	12,7	25	H2-127-25-WH2	2	1.000	4852
		50	H2-127-50-WH2	1	500	4854
■ yellow	12,7	25	H2-127-25-YE2	2	1.000	4852
		50	H2-127-50-YE2	1	500	4854
H2-190	Cable ext. Ø range 11 ÷ 17 mm (0.43" - 0.66" in.) Cable c.s.a range 35 ÷ 50 mm <sup>2</sup> (2 - 1/0 AWG)					
□ white	19,1	25	H2-190-25-WH2	2	1.000	4862
		50	H2-190-50-WH2	1	500	4864
■ yellow	19,1	25	H2-190-25-YE2	2	1.000	4862
		50	H2-190-50-YE2	1	500	4864
H2-254	Cable ext. Ø range 17 ÷ 23 mm (0.66 - 0.90 in.) Cable c.s.a range 50 ÷ 120 mm <sup>2</sup> (1/0 - 4/0 AWG)					
□ white	25,4	25	H2-254-25-WH2	2	600	4872
		50	H2-254-50-WH2	1	300	4874
■ yellow	25,4	25	H2-254-25-YE2	2	600	4872
		50	H2-254-50-YE2	1	300	4874
H2-381	Cable ext. Ø range 23 ÷ 36 mm (0.90" ÷ 1.42" in.) Cable c.s.a range 120 ÷ 240 mm <sup>2</sup> (250 ÷ 500 MCM)					
□ white	38,1	25	H2-381-25-WH2	2	100	4882
		50	H2-381-50-WH2	1	200	4884
■ yellow	38,1	25	H2-381-25-YE2	2	100	4882
		50	H2-381-50-YE2	1	200	4884
H2-508	Cable ext. Ø range 23 ÷ 48 mm (1.06" - 1.90" in.) Cable c.s.a range 240 ÷ 400 mm <sup>2</sup> (500 - 800 MCM)					
□ white	50,8	50	H2-508-50-WH2	1	100	4894
■ yellow	50,8	50	H2-508-50-YE2	1	100	4894



front  
back

It is advisable to select the tubing size based on the actual external diameter of the cable rather than its indicative c.s.a., due to variations in insulation thickness and conductor format.



# TERMO-ROLL H2

## HEAT-SHRINKABLE TUBING



CEN/TS  
45545-2:2009

HF

- 40°C  
+ 105°C

RoHS  
COMPLIANT  
2011/65/EU

printable on both sides

CONTINUOUS

**HIGH GRADE  
SHRINKAGE RATIO 2:1**



Features and specifications  
see p. 64



Mobile dispensing  
and preparation  
frame DSP-TCS  
for convenient  
use of bulk

printable:

**on one side** with ROLLY2000TR1 990980 printer and black ribbon TRR-055 842121;  
**on both sides** with ROLLY2000TR2 990981 printer and black ribbon TRR-055 842121.

Colour	Internal Ø before shrinking mm	Cable ext. Ø range mm (in.)	Cable c.s.a range mm <sup>2</sup> (AWG)	Code	Continuous length m	Quantity	SW Code
□ white	2,4	1,6 ÷ 2 (0.06" - 0.08")	0,25 ÷ 0,5 (26 - 20)	H2-24-WH3	20	1	7000
				H2-24-WH3-50	50	1	7000
	3,2	1,8 ÷ 2,8 (0.07" - 0.11")	0,5 ÷ 1 (24 - 18)	H2-32-WH3	20	1	7010
				H2-32-WH3-100	100	1	7010
	4,8	2,8 ÷ 4,2 (0.11" - 0.18")	1 ÷ 2,5 (16 - 14)	H2-48-WH3	20	1	7020
				H2-48-WH3-100	100	1	7020
	6,4	4,2 ÷ 5,8 (0.16" - 0.23")	4 ÷ 6 (12 - 10)	H2-64-WH3	20	1	7030
				H2-64-WH3-100	100	1	7030
	9,5	5,8 ÷ 8 (0.23" - 0.31")	10 ÷ 16 (8 - 6)	H2-95-WH3	15	1	7040
				H2-95-WH3-100	100	1	7040
	12,7	8 ÷ 11 (0.31" - 0.43")	25 ÷ 35 (4 - 2)	H2-127-WH3	15	1	7050
				H2-127-WH3-100	100	1	7050
	19	11 ÷ 17 (0.43" - 0.66")	35 ÷ 50 (2 - 1/0)	H2-190-WH3	15	1	7060
				H2-190-WH3-100	100	1	7060
25,4	17 ÷ 23 (0.66" - 0.90")	50 ÷ 120 (1/0 - 4/0)	H2-254-WH3	15	1	7070	
			H2-254-WH3-100	100	1	7070	
38,1	23 ÷ 36 (0.90" - 1.42")	120 ÷ 240 (250-500MCM)	H2-381-WH3	15	1	7080	
			H2-381-WH3-60	60	1	7080	
50,8	27 ÷ 49 (1.06" - 1.90")	240 ÷ 400 (500-800MCM)	H2-508-WH3	15	1	7090	
			H2-508-WH3-60	60	1	7090	
■ yellow	2,4	1,6 ÷ 2 (0.06" - 0.08")	0,25 ÷ 0,5 (26 - 20)	H2-24-YE3	20	1	7000
				H2-24-YE3-50	50	1	7000
	3,2	1,8 ÷ 2,8 (0.07" - 0.11")	0,5 ÷ 1 (24 - 18)	H2-32-YE3	20	1	7010
				H2-32-YE3-100	100	1	7010
	4,8	2,8 ÷ 4,2 (0.11" - 0.18")	1 ÷ 2,5 (16 - 14)	H2-48-YE3	20	1	7020
				H2-48-YE3-100	100	1	7020
	6,4	4,2 ÷ 5,8 (0.16" - 0.23")	4 ÷ 6 (12 - 10)	H2-64-YE3	20	1	7030
				H2-64-YE3-100	100	1	7030
	9,5	5,8 ÷ 8 (0.23" - 0.31")	10 ÷ 16 (8 - 6)	H2-95-YE3	15	1	7040
				H2-95-YE3-100	100	1	7040
	12,7	8 ÷ 11 (0.31" - 0.43")	25 ÷ 35 (4 - 2)	H2-127-YE3	15	1	7050
				H2-127-YE3-100	100	1	7050
	19,1	11 ÷ 17 (0.43" - 0.66")	35 ÷ 50 (2 - 1/0)	H2-190-YE3	15	1	7060
				H2-190-YE3-100	100	1	7060
25,4	17 ÷ 23 (0.66" - 0.90")	50 ÷ 120 (1/0 - 4/0)	H2-254-WH3	15	1	7070	
			H2-254-YE3-100	100	1	7070	
38,1	23 ÷ 36 (0.90" - 1.42")	120 ÷ 240 (250-500MCM)	H2-381-YE3	15	1	7080	
			H2-381-YE3-60	60	1	7080	
50,8	27 ÷ 49 (1.06" - 1.90")	240 ÷ 400 (500-800MCM)	H2-508-YE3	15	1	7090	
			H2-508-YE3-60	60	1	7090	

**ROLLY2000TR2**  
to print  
on both sides

ROLLY

**ROLLY2000TR1**  
to print  
on one side

ROLLY





# H3 TERMO-ROLL

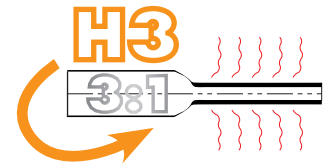
## HEAT-SHRINKABLE TUBING

LADDER

printable on one side only

with ROLLY2000TR1 990980 printer and black ribbon TRR-055 842121.

**HIGH GRADE  
SHRINKAGE RATIO 3:1**



H3 type heat-shrinkable tubing is used to provide highly legible and resistant identification of cables, pipes, conduits, etc within a minimum space.

High flexibility, fire resistance and a 3:1 shrinkage ratio to cover a wide range of cable diameters enable suitability for many industrial and technological applications.

**Material:** Irradiated Polyolefin, shrinkage ratio 2:1

Temperature range:  
-55°C to +135°C  
-131°F to +275°F

Minimum shrinkage temperature: 90°C (194°F)

**Technical:**

- CSA recognized

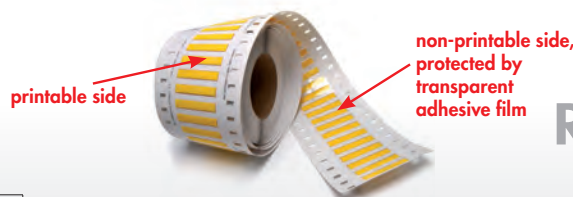
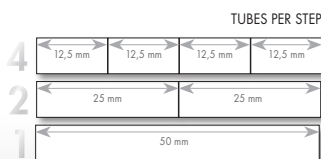
**Flammability**

flame-retardant according to

- SAE-AMS-DTL-23053/5 class 1&3
- UL 224 125°C 600V VW-1

Colour	Internal Ø before shrinking mm	Pre-cut length mm	Code	Tubes per step	Quantity	SW Code
□ white	4,8	12,5	H3-48-12.5-WH1	4	4.000	4920
		25	H3-48-25-WH1	2	2.000	4922
		50	H3-48-50-WH1	1	1.000	4924
■ yellow	4,8	12,5	H3-48-12.5-YE1	4	4.000	4920
		25	H3-48-25-YE1	2	2.000	4922
		50	H3-48-50-YE1	1	1.000	4924
<b>H3-60</b> Cable ext. Ø range 2,5 ÷ 5,5 mm (0.09"- 0.21" in.) Cable c.s.a range 1 ÷ 6 mm <sup>2</sup> (16 - 10 AWG)						
□ white	6	12,5	H3-60-12.5-WH1	4	4.000	4930
		25	H3-60-25-WH1	2	2.000	4932
		50	H3-60-50-WH1	1	1.000	4934
■ yellow	6	12,5	H3-60-12.5-YE1	4	4.000	4930
		25	H3-60-25-YE1	2	2.000	4932
		50	H3-60-50-YE1	1	1.000	4934
<b>H3-90</b> Cable ext. Ø range 4 ÷ 8 mm (0.15"- 0.31" in.) Cable c.s.a range 4 ÷ 16 mm <sup>2</sup> (12 - 6 AWG)						
□ white	9	12,5	H3-90-12.5-WH1	4	2.000	4940
		25	H3-90-25-WH1	2	1.000	4942
		50	H3-90-50-WH1	1	500	4944
■ yellow	9	12,5	H3-90-12.5-YE1	4	2.000	4940
		25	H3-90-25-YE1	2	1.000	4942
		50	H3-90-50-YE1	1	500	4944
<b>H3-120</b> Cable ext. Ø range 5 ÷ 11 mm (0.19"- 0.43" in.) Cable c.s.a range 6 ÷ 35 mm <sup>2</sup> (10 - 2 AWG)						
□ white	12	12,5	H3-120-12.5-WH1	4	2.000	4950
		25	H3-120-25-WH1	2	1.000	4952
		50	H3-120-50-WH1	1	500	4954
■ yellow	12	12,5	H3-120-12.5-YE1	4	2.000	4950
		25	H3-120-25-YE1	2	1.000	4952
		50	H3-120-50-YE1	1	500	4954
<b>H3-180</b> Cable ext. Ø range 6,5 ÷ 17 mm (0.25"- 0.66" in.) Cable c.s.a range 16 ÷ 50 mm <sup>2</sup> (6 - 1/0 AWG)						
□ white	18	12,5	H3-180-12.5-WH1	4	2.000	4960
		25	H3-180-25-WH1	2	1.000	4962
		50	H3-180-50-WH1	1	500	4964
■ yellow	18	12,5	H3-180-12.5-YE1	4	2.000	4960
		25	H3-180-25-YE1	2	1.000	4962
		50	H3-180-50-YE1	1	500	4964
<b>H3-240</b> Cable ext. Ø range 9 ÷ 23 mm (0.35"- 0.90" in.) Cable c.s.a range 25 ÷ 120 mm <sup>2</sup> (4 - 4/0 AWG)						
□ white	24	50	H3-240-50-WH1	1	300	4974
■ yellow	24	50	H3-240-50-YE1	1	300	4974

It is advisable to select the tubing size based on the actual external diameter of the cable rather than its indicative c.s.a., due to variations in insulation thickness and conductor format.



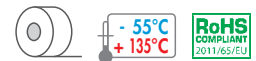
ROLLY 2000TR1

USE

Directly on cables, etc in accordance with external diameter limitations shown for each size



# TERMO-ROLL H3



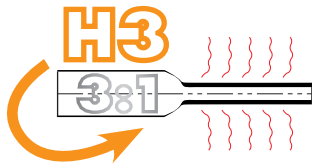
## HEAT-SHRINKABLE TUBING

printable on both sides

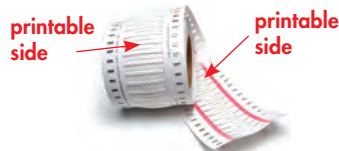
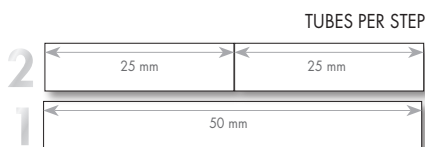
LADDER

with ROLLY2000TR2 990981 printer and black ribbon TRR-055 842121.

**HIGH GRADE  
SHRINKAGE RATIO 3:1**



Features and specifications  
see p. 67



Colour	Internal Ø before shrinking mm	Pre-cut length mm	Code	Tubes per step	Quantity	SW Code
<b>H3-30</b> Cable ext. Ø range 1,2 ÷ 2,8 mm (0.05"- 0.11" in.) Cable c.s.a range 0,25 ÷ 1 mm <sup>2</sup> (22 - 17 AWG)						
<input type="checkbox"/> white	3	25	H3-30-25-WH2	2	2.000	4912
		50	H3-30-50-WH2	1	1.000	4914
<input type="checkbox"/> yellow	3	25	H3-30-25-YE2	2	2.000	4912
		50	H3-30-50-YE2	1	1.000	4914
<b>H3-48</b> Cable ext. Ø range 1,8 ÷ 4,2 mm (0.07"- 0.16" in.) Cable c.s.a range 0,5 ÷ 2,5 mm <sup>2</sup> (20 - 14 AWG)						
<input type="checkbox"/> white	4,8	25	H3-48-25-WH2	2	2.000	4922
		50	H3-48-50-WH2	1	1.000	4924
<input type="checkbox"/> yellow	4,8	25	H3-48-25-YE2	2	2.000	4922
		50	H3-48-50-YE2	1	1.000	4924
<b>H3-60</b> Cable ext. Ø range 2,5 ÷ 5,5 mm (0.09"- 0.21" in.) Cable c.s.a range 1 ÷ 6 mm <sup>2</sup> (16 - 10 AWG)						
<input type="checkbox"/> white	6	25	H3-60-25-WH2	2	2.000	4932
		50	H3-60-50-WH2	1	1.000	4934
<input type="checkbox"/> yellow	6	25	H3-60-25-YE2	2	2.000	4932
		50	H3-60-50-YE2	1	1.000	4934
<b>H3-90</b> Cable ext. Ø range 4 ÷ 8 mm (0.15"- 0.31" in.) Cable c.s.a range 4 ÷ 16 mm <sup>2</sup> (12 - 6 AWG)						
<input type="checkbox"/> white	9	25	H3-90-25WH2	2	2.000	4942
		50	H3-90-50-WH2	1	1.000	4944
<input type="checkbox"/> yellow	9	25	H3-90-25-YE2	2	2.000	4942
		50	H3-90-50-YE2	1	1.000	4944
<b>H3-120</b> Cable ext. Ø range 5 ÷ 11 mm (0.19"- 0.43" in.) Cable c.s.a range 6 ÷ 35 mm <sup>2</sup> (10 - 2 AWG)						
<input type="checkbox"/> white	12	25	H3-120-25-WH2	2	1.000	4952
		50	H3-120-50-WH2	1	500	4954
<input type="checkbox"/> yellow	12	25	H3-120-25-YE2	2	1.000	4952
		50	H3-120-50-YE2	1	500	4954
<b>H3-180</b> Cable ext. Ø range 6,5 ÷ 17 mm (0.25"- 0.66" in.) Cable c.s.a range 16 ÷ 50 mm <sup>2</sup> (6 - 1/0 AWG)						
<input type="checkbox"/> white	18	25	H3-180-25-WH2	2	1.000	4962
		50	H3-180-50-WH2	1	500	4964
<input type="checkbox"/> yellow	18	25	H3-180-25-YE2	2	1.000	4962
		50	H3-180-50-YE2	1	500	4964
<b>H3-240</b> Cable ext. Ø range 9 ÷ 23 mm (0.35"- 0.90" in.) Cable c.s.a range 25 ÷ 120 mm <sup>2</sup> (4 - 4/0 AWG)						
<input type="checkbox"/> white	24	50	H3-240-50-WH2	1	300	4974
<input type="checkbox"/> yellow		50	H3-240-50-YE2	1	300	4974
<b>H3-390</b> Cable ext. Ø range 15 ÷ 37 mm (0.59"- 1.45" in.) Cable c.s.a range 50 ÷ 185 mm <sup>2</sup> (1/0 AWG - 350 MCM)						
<input type="checkbox"/> white	39	50	H3-390-50-WH2	1	100	4984
<input type="checkbox"/> yellow		50	H3-390-50-YE2	1	100	4984

It is advisable to select the tubing size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

front  
back



# H3 TERMO-ROLL

HEAT-SHRINKABLE TUBING

**CONTINUOUS**

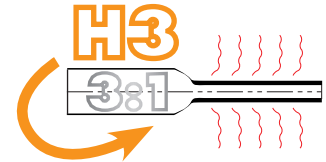
printable on both sides

printable:

**on one side** with ROLLY2000TR1 990980 printer and black ribbon TRR-055 842121;

**on both sides** with ROLLY2000TR2 990981 printer and black ribbon TRR-055 842121.

**HIGH GRADE  
SHRINKAGE RATIO 3:1**



Features and specifications  
see p. 67



Mobile dispensing  
and preparation  
frame DSP-TCS  
for convenient  
use of bulk

Colour	Internal Ø before shrinking mm	Cable ext. Ø range mm (in.)	Cable c.s.a range mm <sup>2</sup> (AWG)	Code	Continuous length m	Quantity	SW Code
□ white	4,8	1,8 ÷ 4,2 (0.07" - 0.16")	0,5 ÷ 2,5 (20 - 14)	H3-48-WH3	20	1	7120
	6	2,5 ÷ 5,5 (0.09" - 0.21")	1 ÷ 6 (16 - 10)	H3-60-WH3	20	1	7130
	9	4 ÷ 8 (0.15" - 0.31")	4 ÷ 16 (12 - 6)	H3-90-WH3	15	1	7140
	12	5 ÷ 11 (0.19" - 0.43")	6 ÷ 35 (10 - 2)	H3-120-WH3	15	1	7150
	18	6,5 ÷ 17 (0.25" - 0.66")	16 ÷ 50 (6 - 1/0)	H3-180-WH3	15	1	7160
	24	9 ÷ 23 (0.35" - 0.90")	25 ÷ 120 (4 - 4/0)	H3-240-WH3	15	1	7170
■ yellow	4,8	1,8 ÷ 4,2 (0.07" - 0.16")	0,5 ÷ 2,5 (20 - 14)	H3-48-YE3	20	1	7120
	6	2,5 ÷ 5,5 (0.09" - 0.21")	1 ÷ 6 (16 - 10)	H3-60-YE3	20	1	7130
	9	4 ÷ 8 (0.15" - 0.31")	4 ÷ 16 (12 - 6)	H3-90-YE3	15	1	7140
	12	5 ÷ 11 (0.19" - 0.43")	6 ÷ 35 (10 - 2)	H3-120-YE3	15	1	7150
	18	6,5 ÷ 17 (0.25" - 0.66")	16 ÷ 50 (6 - 1/0)	H3-180-YE3	15	1	7160
	24	9 ÷ 23 (0.35" - 0.90")	25 ÷ 120 (4 - 4/0)	H3-240-YE3	15	1	7170

**ROLLY2000TR2  
to print  
on both sides**



**ROLLY2000TR1  
to print  
on one side**



use

Directly on cables, etc in accordance with external diameter limitations shown for each size



front  
back



# TERMO-ROLL M2



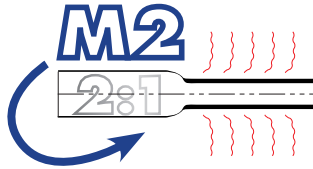
## HEAT-SHRINKABLE TUBING

printable on one side only

LADDER

with ROLLY2000TR1 990980 printer and black ribbon TRR-055 842121.

**MEDIUM GRADE  
SHRINKAGE RATIO 2:1**



M2 type heat-shrinkable tubing is used to provide highly legible and resistant identification of cables, pipes, conduits, etc within a minimum space.

Halogen Free composition provides flame retardancy and low smoke emission characteristics suitable for many types of application requiring more restrictive safety standards to be met.

**Material:** Irradiated Polyolefin, shrinkage ratio 2:1

Temperature range:  
- 40°C to + 125°C  
- 104°F to + 257°F

Minimum shrinkage temperature: 70°C (158°F)

**Technical:**

**Adherence**

- MIL-M 81531 AS
- SAE-AS81531-199, point 4.6.2

**Flammability**

- Flame retardant
- UL 224

Meets the requirements for fire testing of materials and components for trains in CEN/TS 45545-2:2009

**M2-32** Cable ext. Ø range 1,8 ÷ 2,8 mm (0.07" - 0.11" in.)  
Cable c.s.a range 0,5 ÷ 1 mm<sup>2</sup> (24 - 18 AWG)

Colour	Internal Ø before shrinking mm	Pre-cut length mm	Code	Tubes per step	Quantity	SW Code
□ white	3,2	12,5	M2-32-12.5-WH1	4	4.000	4810
		25	M2-32-25-WH1	2	2.000	4812
		50	M2-32-50-WH1	1	1.000	4814
■ yellow	3,2	12,5	M2-32-12.5-YE1	4	4.000	4810
		25	M2-32-25-YE1	2	2.000	4812
		50	M2-32-50-YE1	1	1.000	4814

**M2-48** Cable ext. Ø range 2,8 ÷ 4,2 mm (0.11" - 0.18" in.)  
Cable c.s.a range 1 ÷ 2,5 mm<sup>2</sup> (16 - 14 AWG)

□ white	4,8	12,5	M2-48-12.5-WH1	4	4.000	4820
		25	M2-48-25-WH1	2	2.000	4822
		50	M2-48-50-WH1	1	1.000	4824
■ yellow	4,8	12,5	M2-48-12.5-YE1	4	4.000	4820
		25	M2-48-25-YE1	2	2.000	4822
		50	M2-48-50-YE1	1	1.000	4824

**M2-64** Cable ext. Ø range 4,2 ÷ 5,8 mm (0.18" - 0.22" in.)  
Cable c.s.a range 4 ÷ 6 mm<sup>2</sup> (12 - 10 AWG)

□ white	6,4	12,5	M2-64-12.5-WH1	4	4.000	4830
		25	M2-64-25-WH1	2	2.000	4832
		50	M2-64-50-WH1	1	1.000	4834
■ yellow	6,4	12,5	M2-64-12.5-YE1	4	4.000	4830
		25	M2-64-25-YE1	2	2.000	4832
		50	M2-64-50-YE1	1	1.000	4834

**M2-95** Cable ext. Ø range 5,8 ÷ 8 mm (0.22" - 0.31" in.)  
Cable c.s.a range 10 ÷ 16 mm<sup>2</sup> (8 - 6 AWG)

□ white	9,5	12,5	M2-95-12.5-WH1	4	2.000	4840
		25	M2-95-25-WH1	2	1.000	4842
		50	M2-95-50-WH1	1	500	4844
■ yellow	9,5	12,5	M2-95-12.5-YE1	4	2.000	4840
		25	M2-95-25-YE1	2	1.000	4842
		50	M2-95-50-YE1	1	500	4844

**M2-127** Cable ext. Ø range 8 ÷ 11 mm (0.31" - 0.43" in.)  
Cable c.s.a range 25 ÷ 35 mm<sup>2</sup> (4 - 2 AWG)

□ white	12,7	25	M2-127-25-WH1	2	1.000	4852
		50	M2-127-50-WH1	1	500	4854
■ yellow	12,7	25	M2-127-25-YE1	2	1.000	4852
		50	M2-127-50-YE1	1	500	4854

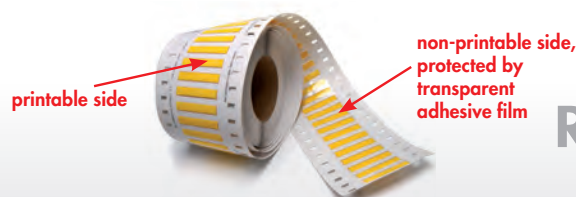
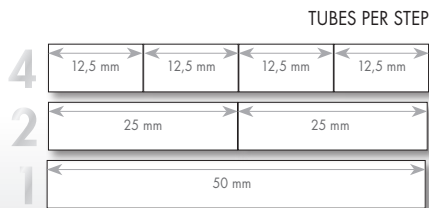
**M2-190** Cable ext. Ø range 11 ÷ 17 mm (0.43" - 0.66" in.)  
Cable c.s.a range 35 ÷ 50 mm<sup>2</sup> (2 - 1/0 AWG)

□ white	19,1	25	M2-190-25-WH1	1	1.000	4862
		50	M2-190-50-WH1	1	500	4864
■ yellow	19,1	25	M2-190-25-YE1	1	1.000	4862
		50	M2-190-50-YE1	1	500	4864

**M2-254** Cable ext. Ø range 17 ÷ 23 mm (0.66" - 0.90" in.)  
Cable c.s.a range 50 ÷ 120 mm<sup>2</sup> (1/0 - 4/0 AWG)

□ white	25,4	25	M2-254-25-WH1	2	600	4872
		50	M2-254-50-WH1	1	300	4874
■ yellow	25,4	25	M2-254-25-YE1	2	600	4872
		50	M2-254-50-YE1	1	300	4874

It is advisable to select the tubing size based on the actual external diameter of the cable rather than its indicative c.s.a., due to variations in insulation thickness and conductor format.







# M2

# TERMO-ROLL

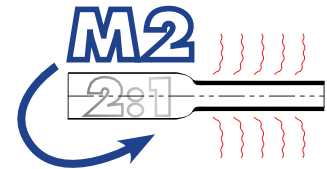
## HEAT-SHRINKABLE TUBING

LADDER

printable on both sides

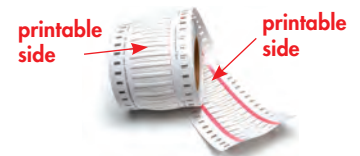
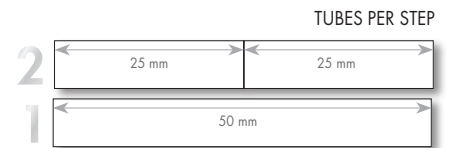
with ROLLY2000TR2 990981 printer and black ribbon TRR-055 842121.

**MEDIUM GRADE**  
**SHRINKAGE RATIO 2:1**



Features and specifications  
see p. 70

M2-24	Cable ext. Ø range 1,6 ÷ 2 mm (0.06" - 0.08" in.) Cable c.s.a range 0,25 ÷ 0,5 mm <sup>2</sup> (26 - 20 AWG)		Colour	Internal Ø before shrinking mm	Pre-cut length mm	Code	Tubes per step	Quantity	SW Code
	white	2,4	25	M2-24-25-WH2	2	2.000	4802		
		50	M2-24-50-WH2	1	1.000	4804			
	yellow	2,4	25	M2-24-25-YE2	2	2.000	4802		
		50	M2-24-50-YE2	1	1.000	4804			
M2-32	Cable ext. Ø range 1,8 ÷ 2,8 mm (0.07" - 0.11" in.) Cable c.s.a range 0,5 ÷ 1 mm <sup>2</sup> (24 - 18 AWG)		Colour	Internal Ø before shrinking mm	Pre-cut length mm	Code	Tubes per step	Quantity	SW Code
	white	3,2	25	M2-32-25-WH2	2	2.000	4812		
		50	M2-32-50-WH2	1	1.000	4814			
	yellow	3,2	25	M2-32-25-YE2	2	2.000	4812		
		50	M2-32-50-YE2	1	1.000	4814			
M2-48	Cable ext. Ø range 2,8 ÷ 4,2 mm (0.11" - 0.18" in.) Cable c.s.a range 1 ÷ 2,5 mm <sup>2</sup> (16 - 14 AWG)		Colour	Internal Ø before shrinking mm	Pre-cut length mm	Code	Tubes per step	Quantity	SW Code
	white	4,8	25	M2-48-25-WH2	2	2.000	4822		
		50	M2-48-50-WH2	1	1.000	4824			
	yellow	4,8	25	M2-48-25-YE2	2	2.000	4822		
		50	M2-48-50-YE2	1	1.000	4824			
M2-64	Cable ext. Ø range 4,2 ÷ 5,8 mm (0.18" - 0.22" in.) Cable c.s.a range 4 ÷ 6 mm <sup>2</sup> (12 - 10 AWG)		Colour	Internal Ø before shrinking mm	Pre-cut length mm	Code	Tubes per step	Quantity	SW Code
	white	6,4	25	M2-64-25-WH2	2	2.000	4832		
		50	M2-64-50-WH2	1	1.000	4834			
	yellow	6,4	25	M2-64-25-YE2	2	2.000	4832		
		50	M2-64-50-YE2	1	1.000	4834			
M2-95	Cable ext. Ø range 5,8 ÷ 8 mm (0.22" - 0.31" in.) Cable c.s.a range 10 ÷ 16 mm <sup>2</sup> (8 - 6 AWG)		Colour	Internal Ø before shrinking mm	Pre-cut length mm	Code	Tubes per step	Quantity	SW Code
	white	9,5	25	M2-95-25-WH2	2	1.000	4842		
		50	M2-95-50-WH2	1	500	4844			
	yellow	9,5	25	M2-95-25-YE2	2	1.000	4842		
		50	M2-95-50-YE2	1	500	4844			
M2-127	Cable ext. Ø range 8 ÷ 11 mm (0.31" - 0.43" in.) Cable c.s.a range 25 ÷ 35 mm <sup>2</sup> (4 - 2 AWG)		Colour	Internal Ø before shrinking mm	Pre-cut length mm	Code	Tubes per step	Quantity	SW Code
	white	12,7	25	M2-127-25-WH2	2	1.000	4852		
		50	M2-127-50-WH2	1	500	4854			
	yellow	12,7	25	M2-127-25-YE2	2	1.000	4852		
		50	M2-127-50-YE2	1	500	4854			
M2-190	Cable ext. Ø range 11 ÷ 17 mm (0.43" - 0.66" in.) Cable c.s.a range 35 ÷ 50 mm <sup>2</sup> (2 - 1/0 AWG)		Colour	Internal Ø before shrinking mm	Pre-cut length mm	Code	Tubes per step	Quantity	SW Code
	white	19,1	25	M2-190-25-WH2	2	1.000	4862		
		50	M2-190-50-WH2	1	500	4864			
	yellow	19,1	25	M2-190-25-YE2	2	1.000	4862		
		50	M2-190-50-YE2	1	500	4864			
M2-254	Cable ext. Ø range 17 ÷ 23 mm (0.66" - 0.90" in.) Cable c.s.a range 50 ÷ 120 mm <sup>2</sup> (1/0 - 4/0 AWG)		Colour	Internal Ø before shrinking mm	Pre-cut length mm	Code	Tubes per step	Quantity	SW Code
	white	25,4	25	M2-254-25-WH2	2	600	4872		
		50	M2-254-50-WH2	1	300	4874			
	yellow	25,4	25	M2-254-25-YE2	2	600	4872		
		50	M2-254-50-YE2	1	300	4874			
M2-381	Cable ext. Ø range 23 ÷ 36 mm (0.90" - 1.42" in.) Cable c.s.a range 120 ÷ 240 mm <sup>2</sup> (250 - 500 MCM)		Colour	Internal Ø before shrinking mm	Pre-cut length mm	Code	Tubes per step	Quantity	SW Code
	white	38,1	25	M2-381-25-WH2	2	100	4882		
		50	M2-381-50-WH2	1	200	4884			
	yellow	38,1	25	M2-381-25-YE2	2	100	4882		
		50	M2-381-50-YE2	1	200	4884			



It is advisable to select the tubing size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

USE

Directly on cables, etc in accordance with external diameter limitations shown for each size

front  
back



# TERMO-ROLL M2

## HEAT-SHRINKABLE TUBING



CEN/TS  
45545-2:2009



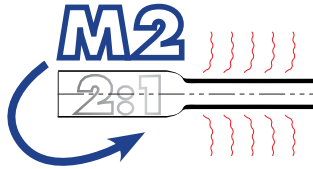
- 40°C  
+ 125°C

RoHS  
COMPLIANT  
2011/65/EU

printable on both sides

CONTINUOUS

**MEDIUM GRADE  
SHRINKAGE RATIO 2:1**



Features and specifications  
see p. 70



Mobile dispensing  
and preparation  
frame DSP-TCS  
for convenient  
use of bulk

printable:

**on one side** with ROLLY2000TR1 990980 printer and black ribbon TRR-055 842121;  
**on both sides** with ROLLY2000TR2 990981 printer and black ribbon TRR-055 842121.

Colour	Internal Ø before shrinking mm	Cable ext. Ø range mm (in.)	Cable c.s.a range mm <sup>2</sup> (AWG)	Code	Continuous length m	Quantity	SW Code
□ white	2,4	1,6 ÷ 2 (0.06"- 0.08")	0,25 ÷ 0,5 (26 - 20)	M2-24-WH3	20	1	7000
				M2-24-WH3-50	50	1	7000
	3,2	1,8 ÷ 2,8 (0.07"- 0.11")	0,5 ÷ 1 (24 - 18)	M2-32-WH3	20	1	7010
				M2-32-WH3-100	100	1	7010
	4,8	2,8 ÷ 4,2 (0.11"- 0.18")	1 ÷ 2,5 (16 - 14)	M2-48-WH3	20	1	7020
				M2-48-WH3-100	100	1	7020
	6,4	4,2 ÷ 5,8 (0.18"- 0.22")	4 ÷ 6 (12 - 10)	M2-64-WH3	20	1	7030
				M2-64-WH3-100	100	1	7030
	9,5	5,8 ÷ 8 (0.22"- 0.31")	10 ÷ 16 (8 - 6)	M2-95-WH3	15	1	7040
				M2-95-WH3-100	100	1	7040
	12,7	8 ÷ 11 (0.31"- 0.43")	25 ÷ 35 (4 - 2)	M2-127-WH3	15	1	7050
				M2-127-WH3-100	100	1	7050
	19,1	11 ÷ 17 (0.43"- 0.66")	35 ÷ 50 (2 - 1/0)	M2-190-WH3	15	1	7060
				M2-190-WH3-100	100	1	7060
25,4	17 ÷ 23 (0.66"- 0.90")	50 ÷ 120 (1/0 - 4/0)	M2-254-WH3	15	1	7070	
			M2-254-WH3-100	100	1	7070	
38,1	19,8 ÷ 37 (0.90"- 1.42")	120 ÷ 240 (250-500MCM)	M2-381-WH3	15	1	7080	
			M2-381-WH3-60	60	1	7080	
50,8	26 ÷ 49 (1.06"- 1.90")	240 ÷ 400 (500-800MCM)	M2-508-WH3	15	1	7090	
			M2-508-WH3-60	60	1	7090	
■ yellow	2,4	1,6 ÷ 2 (0.06"- 0.08")	0,25 ÷ 0,5 (26 - 20)	M2-24-YE3	20	1	7000
				M2-24-YE3-50	50	1	7000
	3,2	1,8 ÷ 2,8 (0.07"- 0.11")	0,5 ÷ 1 (24 - 18)	M2-32-YE3	20	1	7010
				M2-32-YE3-100	100	1	7010
	4,8	2,8 ÷ 4,2 (0.11"- 0.18")	1 ÷ 2,5 (16 - 14)	M2-48-YE3	20	1	7020
				M2-48-YE3-100	100	1	7020
	6,4	4,2 ÷ 5,8 (0.18"- 0.22")	4 ÷ 6 (12 - 10)	M2-64-YE3	20	1	7030
				M2-64-YE3-100	100	1	7030
	9,5	5,8 ÷ 8 (0.22"- 0.31")	10 ÷ 16 (8 - 6)	M2-95-YE3	15	1	7040
				M2-95-YE3-100	100	1	7040
	12,7	8 ÷ 11 (0.31"- 0.43")	25 ÷ 35 (4 - 2)	M2-127-YE3	15	1	7050
				M2-127-YE3-100	100	1	7050
	19,1	11 ÷ 17 (0.43"- 0.66")	35 ÷ 50 (2 - 1/0)	M2-190-YE3	15	1	7060
				M2-190-YE3-100	100	1	7060
25,4	17 ÷ 23 (0.66"- 0.90")	50 ÷ 120 (1/0 - 4/0)	M2-254-YE3	15	1	7070	
			M2-254-YE3-100	100	1	7070	
38,1	23 ÷ 36 (0.90"- 1.42")	120 ÷ 240 (250-500MCM)	M2-381-YE3	15	1	7080	
			M2-381-YE3-60	60	1	7080	
50,8	26 ÷ 49 (1.06"- 1.90")	240 ÷ 400 (500-800MCM)	M2-508-YE3	15	1	7090	
			M2-508-YE3-60	60	1	7090	

**ROLLY2000TR2  
to print  
on both sides**

ROLLY

**ROLLY2000TR1  
to print  
on one side**

ROLLY





# M3 TERMO-ROLL

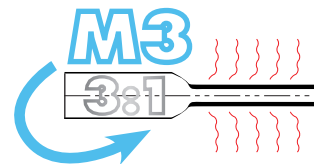
## HEAT-SHRINKABLE TUBING

LADDER

printable on one side only

with ROLLY2000TR1 990980 printer and black ribbon TRR-055 842121.

**MEDIUM GRADE  
SHRINKAGE RATIO 3:1**



M3 type heat-shrinkable tubing is used to provide highly legible and resistant identification of cables, pipes, conduits, etc within a minimum space.

High fire resistance and a 3:1 shrinkage ratio to cover a wide range of cable diameters enable suitability for many industrial applications.

**Material:** Irradiated Polyolefin, shrinkage ratio 3:1

Temperature range:  
-55°C to +135°C  
-131°F to +275°F

Minimum shrinkage temperature: 90°C (194°F)

**Technical:**

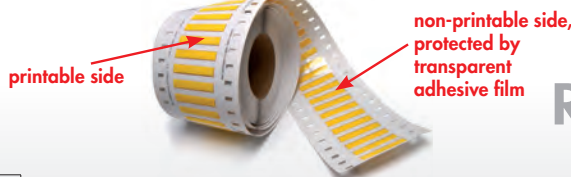
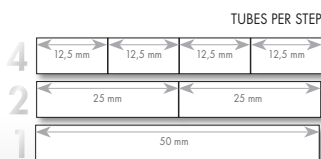
**Flammability**

flame-retardant according to

- SAE-AMS-DTL-23053/5 class 1
- UL 224 125°C 600V VW-1

Colour	Internal Ø before shrinking mm	Pre-cut length mm	Code	Tubes per step	Quantity	SW Code
<b>M3-48</b> Cable ext. Ø range 1,8 ÷ 4,2 mm (0.07" - 0.16" in.) Cable c.s.a range 0,5 ÷ 2,5 mm <sup>2</sup> (20 - 14 AWG)						
□ white	4,8	12,5	M3-48-12.5-WH1	4	4.000	4820
		25	M3-48-25-WH1	2	2.000	4822
		50	M3-48-50-WH1	1	1.000	4824
■ yellow	4,8	12,5	M3-48-12.5-YE1	4	4.000	4820
		25	M3-48-25-YE1	2	2.000	4822
		50	M3-48-50-YE1	1	1.000	4824
<b>M3-64</b> Cable ext. Ø range 2,5 ÷ 5,8 mm (0.09" - 0.21" in.) Cable c.s.a range 1 ÷ 6 mm <sup>2</sup> (16 - 10 AWG)						
□ white	6,4	12,5	M3-64-12.5-WH1	4	4.000	4830
		25	M3-64-25-WH1	2	2.000	4832
		50	M3-64-50-WH1	1	1.000	4834
■ yellow	6,4	12,5	M3-64-12.5-YE1	4	4.000	4830
		25	M3-64-25-YE1	2	2.000	4832
		50	M3-64-50-YE1	1	1.000	4834
<b>M3-95</b> Cable ext. Ø range 3,8 ÷ 8 mm (0.15" - 0.31" in.) Cable c.s.a range 4 ÷ 16 mm <sup>2</sup> (12 - 6 AWG)						
□ white	9,5	12,5	M3-95-12.5-WH1	4	2.000	4840
		25	M3-95-25-WH1	2	1.000	4842
		50	M3-95-50-WH1	1	500	4844
■ yellow	9,5	12,5	M3-95-12.5-YE1	4	2.000	4840
		25	M3-95-25-YE1	2	1.000	4842
		50	M3-95-50-YE1	1	500	4844
<b>M3-127</b> Cable ext. Ø range 4,8 ÷ 11 mm (0.19" - 0.43" in.) Cable c.s.a range 6 ÷ 35mm <sup>2</sup> (10 - 2 AWG)						
□ white	12,7	12,5	M3-127-12.5-WH1	4	2.000	4850
		25	M3-127-25-WH1	2	1.000	4852
		50	M3-127-50-WH1	1	500	4854
■ yellow	12,7	12,5	M3-127-12.5-YE1	4	2.000	4850
		25	M3-127-25-YE1	2	1.000	4852
		50	M3-127-50-YE1	1	500	4854
<b>M3-190</b> Cable ext. Ø range 7 ÷ 17 mm (0.25" - 0.66" in.) Cable c.s.a range 16 ÷ 50 mm <sup>2</sup> (6 - 1/0 AWG)						
□ white	19	50	M3-190-50-WH1	1	500	4864
■ yellow	19	50	M3-190-50-YE1	1	500	4864
<b>M3-254</b> Cable ext. Ø range 9 ÷ 23 mm (0.35" - 0.90" in.) Cable c.s.a range 25 ÷ 120mm <sup>2</sup> (4 - 4/0 AWG)						
□ white	25,4	50	M3-254-50-WH1	1	300	4874
■ yellow	25,4	50	M3-254-50-YE1	1	300	4874

It is advisable to select the tubing size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

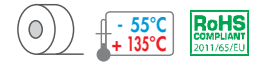


USE

Directly on cables, etc in accordance with external diameter limitations shown for each size



# TERMO-ROLL M3



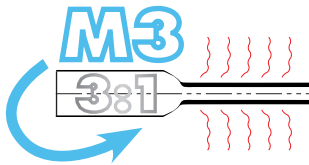
## HEAT-SHRINKABLE TUBING

*ladder-printable on both sides*

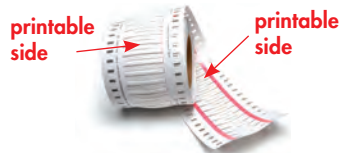
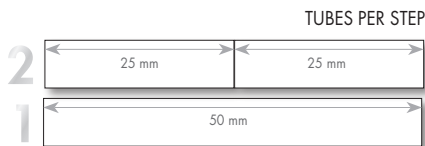
LADDER

with ROLLY2000TR2 990981 printer and black ribbon TRR-055 842121.

**MEDIUM GRADE  
SHRINKAGE RATIO 3:1**



Features and specifications  
see p. 73



Colour	Internal Ø before shrinking mm	Pre-cut length mm	Code	Tubes per step	Quantity	SW Code
<b>M3-24</b> Cable ext. Ø range 1 ÷ 2,2 mm (0.04" - 0.09" in.) Cable c.s.a range 0,25 ÷ 0,5 mm <sup>2</sup> (26 - 20 AWG)						
<input type="checkbox"/> white	2,4	25	<b>M3-24-25-WH2</b>	2	2.000	<b>4802</b>
		50	<b>M3-24-50-WH2</b>	1	1.000	<b>4804</b>
<input type="checkbox"/> yellow	2,4	25	<b>M3-24-25-YE2</b>	2	2.000	<b>4802</b>
		50	<b>M3-24-50-YE2</b>	1	1.000	<b>4804</b>
<b>M3-32</b> Cable ext. Ø range 1,2 ÷ 2,8 mm (0.05" - 0.11" in.) Cable c.s.a range 0,25 ÷ 1 mm <sup>2</sup> (24 - 18 AWG)						
<input type="checkbox"/> white	3,2	25	<b>M3-32-25-WH2</b>	2	2.000	<b>4812</b>
		50	<b>M3-32-50-WH2</b>	1	1.000	<b>4814</b>
<input type="checkbox"/> yellow	3,2	25	<b>M3-32-25-YE2</b>	2	2.000	<b>4812</b>
		50	<b>M3-32-50-YE2</b>	1	1.000	<b>4814</b>
<b>M3-48</b> Cable ext. Ø range 1,8 ÷ 4,2 mm (0.07" - 0.16" in.) Cable c.s.a range 0,5 ÷ 2,5 mm <sup>2</sup> (20 - 14 AWG)						
<input type="checkbox"/> white	4,8	25	<b>M3-48-25-WH2</b>	2	2.000	<b>4822</b>
		50	<b>M3-48-50-WH2</b>	1	1.000	<b>4824</b>
<input type="checkbox"/> yellow	4,8	25	<b>M3-48-25-YE2</b>	2	2.000	<b>4822</b>
		50	<b>M3-48-50-YE2</b>	1	1.000	<b>4824</b>
<b>M3-64</b> Cable ext. Ø range 2,5 ÷ 5,8 mm (0.09" - 0.21" in.) Cable c.s.a range 1 ÷ 6 mm <sup>2</sup> (16 - 10 AWG)						
<input type="checkbox"/> white	6,4	25	<b>M3-64-25-WH2</b>	2	2.000	<b>4832</b>
		50	<b>M3-64-50-WH2</b>	1	1.000	<b>4834</b>
<input type="checkbox"/> yellow	6,4	25	<b>M3-64-25-YE2</b>	2	2.000	<b>4832</b>
		50	<b>M3-64-50-YE2</b>	1	1.000	<b>4834</b>
<b>M3-95</b> Cable ext. Ø range 3,8 ÷ 8 mm (0.15" - 0.31" in.) Cable c.s.a range 4 ÷ 16 mm <sup>2</sup> (12 - 6 AWG)						
<input type="checkbox"/> white	9,5	25	<b>M3-95-25-WH2</b>	2	1.000	<b>4842</b>
		50	<b>M3-95-50-WH2</b>	1	500	<b>4844</b>
<input type="checkbox"/> yellow	9,5	25	<b>M3-95-25-YE2</b>	2	1.000	<b>4842</b>
		50	<b>M3-95-50-YE2</b>	1	500	<b>4844</b>
<b>M3-127</b> Cable ext. Ø range 4,8 ÷ 11 mm (0.19" - 0.43" in.) Cable c.s.a range 6 ÷ 35mm <sup>2</sup> (10 - 2 AWG)						
<input type="checkbox"/> white	12,7	25	<b>M3-127-25-WH2</b>	2	1.000	<b>4852</b>
		50	<b>M3-127-50-WH2</b>	1	500	<b>4854</b>
<input type="checkbox"/> yellow	12,7	25	<b>M3-127-25-YE2</b>	2	1.000	<b>4852</b>
		50	<b>M3-127-50-YE2</b>	1	500	<b>4854</b>
<b>M3-190</b> Cable ext. Ø range 7 ÷ 17 mm (0.25" - 0.66" in.) Cable c.s.a range 16 ÷ 50 mm <sup>2</sup> (6 - 1/0 AWG)						
<input type="checkbox"/> white	19	25	<b>M3-190-25-WH2</b>	2	1.000	<b>4862</b>
		50	<b>M3-190-50-WH2</b>	1	500	<b>4864</b>
<input type="checkbox"/> yellow	19	25	<b>M3-190-25-YE2</b>	2	1.000	<b>4862</b>
		50	<b>M3-190-50-YE2</b>	1	500	<b>4864</b>
<b>M3-254</b> Cable ext. Ø range 9 ÷ 23 mm (0.35" - 0.90" in.) Cable c.s.a range 25 ÷ 120mm <sup>2</sup> (4 - 4/0 AWG)						
<input type="checkbox"/> white	25,4	25	<b>M3-254-25-WH2</b>	2	1.000	<b>4872</b>
		50	<b>M3-254-50-WH2</b>	1	500	<b>4874</b>
<input type="checkbox"/> yellow	25,4	25	<b>M3-254-25-YE2</b>	2	1.000	<b>4872</b>
		50	<b>M3-254-50-YE2</b>	1	500	<b>4874</b>

It is advisable to select the tubing size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

front  
back



# M3

# TERMO-ROLL

## HEAT-SHRINKABLE TUBING

**CONTINUOUS**

continuous-printable on both sides

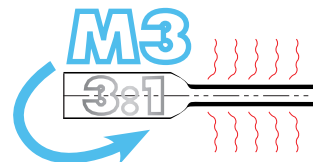
printable:

**on one side** with ROLLY2000TR1 990980 printer and black ribbon TRR-055 842121;

**on both sides** with ROLLY2000TR2 990981 printer and black ribbon TRR-055 842121.

Colour	Internal Ø before shrinking mm	Cable ext. Ø range mm (in.)	Cable c.s.a range mm <sup>2</sup> (AWG)	Code	Continuous length m	Quantity	SW Code
□ white	2,4	1 ÷ 2,2 (0.04" - 0.08")	0,25 ÷ 0,5 (23 - 20)	<b>M3-24-WH3</b>	20	1	<b>7000</b>
	3,2	1,2 ÷ 2,8 (0.05" - 0.11")	0,25 ÷ 1 (23 - 17)	<b>M3-32-WH3</b>	20	1	<b>7010</b>
	4,8	1,8 ÷ 4,2 (0.07" - 0.16")	0,5 ÷ 2,5 (20 - 14)	<b>M3-48-WH3</b>	20	1	<b>7020</b>
	6,4	2,5 ÷ 5,5 (0.09" - 0.21")	1 ÷ 6 (16 - 10)	<b>M3-64-WH3</b>	20	1	<b>7030</b>
	9,5	4 ÷ 8 (0.15" - 0.31")	4 ÷ 16 (12 - 6)	<b>M3-95-WH3</b>	15	1	<b>7040</b>
	12,7	5 ÷ 11 (0.19" - 0.43")	6 ÷ 35 (10 - 2)	<b>M3-127-WH3</b>	15	1	<b>7050</b>
	19	6,5 ÷ 17 (0.25" - 0.66")	16 ÷ 50 (6 - 1/0)	<b>M3-190-WH3</b>	15	1	<b>7060</b>
	25,4	9 ÷ 23 (0.35" - 0.90")	25 ÷ 120 (4 - 4/0)	<b>M3-254-WH3</b>	15	1	<b>7070</b>
■ yellow	4,8	1,8 ÷ 4,2 (0.07" - 0.16")	0,5 ÷ 2,5 (20 - 14)	<b>M3-48-YE3</b>	20	1	<b>7020</b>
	6,4	2,5 ÷ 5,5 (0.09" - 0.21")	1 ÷ 6 (16 - 10)	<b>M3-64-YE3</b>	20	1	<b>7030</b>
	9,5	4 ÷ 8 (0.15" - 0.31")	4 ÷ 16 (12 - 6)	<b>M3-95-YE3</b>	15	1	<b>7040</b>
	12,7	5 ÷ 11 (0.19" - 0.43")	6 ÷ 35 (10 - 2)	<b>M3-127-YE3</b>	15	1	<b>7050</b>
	19	6,5 ÷ 17 (0.25" - 0.66")	16 ÷ 50 (6 - 1/0)	<b>M3-190-YE3</b>	15	1	<b>7060</b>
	25,4	9 ÷ 23 (0.35" - 0.90")	25 ÷ 120 (4 - 4/0)	<b>M3-254-YE3</b>	15	1	<b>7070</b>

**MEDIUM GRADE SHRINKAGE RATIO 3:1**



Features and specifications see p. 73



**ROLLY2000TR2 to print on both sides**



**ROLLY2000TR1 to print on one side**



use

Directly on cables, etc in accordance with external diameter limitations shown for each size



front  
back





## MANUAL CABLE MARKING SYSTEM

Provides alternative manual systems for identifying cables, tubes, conduit, components and equipment.

- PMP push-in cable markers for use with PM transparent holders
- RMS and FMS push-on ring cable markers & flat ring markers
- SM snap-on cable markers
- KM wraparound, self laminating cable markers

### PMP-30 PUSH-IN CABLE MARKERS WITH HOLDERS



PMP markers are very simple to use: the appropriate characters are collected in order on the insertion tool then pushed into the transparent holder mounted on the cable.



## PUSH-ON RING CABLE MARKERS & FLAT RING MARKERS

RMS push-on ring cable markers available in four range-taking sizes for marking cables with external diameters from 1,3 to 16mm (0.05 to 0.62 in.)

FMS flat ring markers printed black on yellow, push onto tie-on carriers for attachment to large diameter cables, etc.



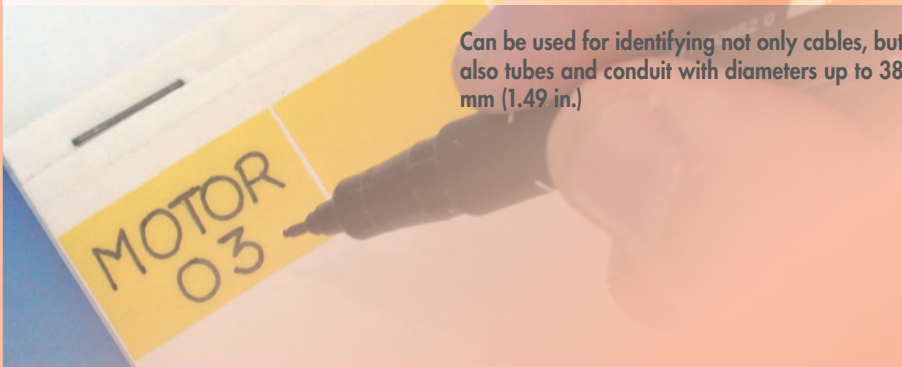
## LABELS

Alphanumeric signs in PVC film.



## WRAPAROUND SELF LAMINATING CABLE MARKERS

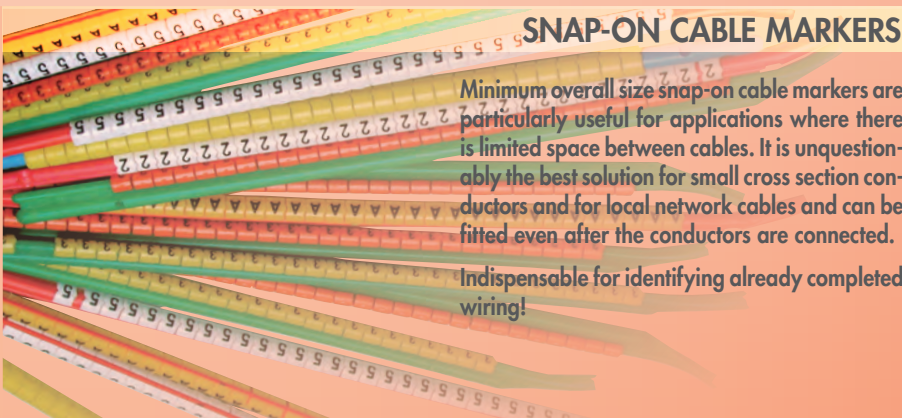
Can be used for identifying not only cables, but also tubes and conduit with diameters up to 38 mm (1.49 in.)



## SNAP-ON CABLE MARKERS

Minimum overall size snap-on cable markers are particularly useful for applications where there is limited space between cables. It is unquestionably the best solution for small cross section conductors and for local network cables and can be fitted even after the conductors are connected.

Indispensable for identifying already completed wiring!



# PMP-30



## PUSH-IN CABLE MARKERS

Polyamide, in strips

Marker width 3 mm. 20 markers per strip

Colour	Code	Description	Quantity																												
□ white	23129-...	<table border="1"> <tr> <td>A to Z</td> <td>+</td> <td>-</td> <td>=</td> <td>/</td> <td>0</td> <td>↓</td> </tr> <tr> <td>0 to 9</td> <td>PLS</td> <td>MNS</td> <td>EQL</td> <td>STK</td> <td>DIA</td> <td>GND</td> </tr> <tr> <td>.</td> <td>,</td> <td>:</td> <td>Δ</td> <td>∇</td> <td>~</td> <td></td> </tr> <tr> <td>DOT</td> <td>COM</td> <td>CLN</td> <td>DELTA</td> <td>STAR</td> <td>AC</td> <td></td> </tr> </table> alphanumeric add the character	A to Z	+	-	=	/	0	↓	0 to 9	PLS	MNS	EQL	STK	DIA	GND	.	,	:	Δ	∇	~		DOT	COM	CLN	DELTA	STAR	AC		500
A to Z	+	-	=	/	0	↓																									
0 to 9	PLS	MNS	EQL	STK	DIA	GND																									
.	,	:	Δ	∇	~																										
DOT	COM	CLN	DELTA	STAR	AC																										
■ yellow	23124-...	<table border="1"> <tr> <td>A to Z</td> <td>+</td> <td>-</td> <td>=</td> <td>/</td> <td>0</td> <td>↓</td> </tr> <tr> <td>0 to 9</td> <td>PLS</td> <td>MNS</td> <td>EQL</td> <td>STK</td> <td>DIA</td> <td>GND</td> </tr> <tr> <td>.</td> <td>,</td> <td>:</td> <td>Δ</td> <td>∇</td> <td>~</td> <td></td> </tr> <tr> <td>DOT</td> <td>COM</td> <td>CLN</td> <td>DELTA</td> <td>STAR</td> <td>AC</td> <td></td> </tr> </table> alphanumeric add the character	A to Z	+	-	=	/	0	↓	0 to 9	PLS	MNS	EQL	STK	DIA	GND	.	,	:	Δ	∇	~		DOT	COM	CLN	DELTA	STAR	AC		500
A to Z	+	-	=	/	0	↓																									
0 to 9	PLS	MNS	EQL	STK	DIA	GND																									
.	,	:	Δ	∇	~																										
DOT	COM	CLN	DELTA	STAR	AC																										
0	black 23120-0		500																												
	black 23120-	unprinted	500																												
1	brown 23121-1		500																												
	brown 23121-	unprinted	500																												
2	red 23122-2		500																												
+	red 23122-PLS		500																												
	red 23122-	unprinted	500																												
3	orange 23123-3		500																												
	orange 23123-	unprinted	500																												
4	yellow 23124-4		500																												
	yellow 23124-	unprinted	500																												
5	green 23125-5		500																												
	green 23125-	unprinted	500																												
6	blue 23126-6		500																												
-	blue 23126-MNS		500																												
	blue 23126-	unprinted	500																												
7	violet 23127-7		500																												
	violet 23127-	unprinted	500																												
8	grey 23128-8		500																												
	grey 23128-	unprinted	500																												
9	white 23129-9		500																												
	white 23129-	unprinted	500																												

PMP markers are very simple to use: the appropriate characters are collected in order on the insertion tool then pushed into the transparent holder mounted on the cable.

Once inserted, the characters are protected from degradation by water, alcohol, acids, alkalis and numerous solvents.

Characters are available printed in black on white or yellow backgrounds, or colour coded according IEC Standard 757.

PM transparent marker holders can be pre-mounted on cables for later insertion of marking characters without affecting the wiring.

PM transparent holders, in seven range-taking sizes, for identifying cables from 0,10 to 240 mm<sup>2</sup>.

PM-ET self adhesive transparent holders for identifying components and equipment.

**Material:** Polyamide 6.6, self extinguishing. Excellent stability and mechanical strength, high temperature resistance

🌡️ Operating temperature range  
-30°C to +90°C  
-22°F to +194°F

### WARNING:

Markers with electrical symbols are identified by the following suffixes: PMP-30 23124-AC



### use with

PM transparent holders	page 102
PM-L transparent holders	105
PM-AC transparent holders	107
PM-ET transparent holders	107
PM-DT transparent holders	107

**RING**  
cables



## START kit PUSH-IN CABLE MARKERS

Polyamide, in strips

Marker width 3 mm. 20 markers per strip

Code	Quantity
990050	1

# START kit


PMP-30 23129-0	500
PMP-30 23129-1	500
PMP-30 23129-2	500
PMP-30 23129-3	500
PMP-30 23129-4	500
PMP-30 23129-5	500
PMP-30 23129-6	500
PMP-30 23129-7	500
PMP-30 23129-8	500
PMP-30 23129-9	500
PMP-30 23129-R	500
PMP-30 23129-S	500
PMP-30 23129-T	500
PMP-30 23129-U	500
PMP-30 23129-V	500
PMP-30 23129-W	500
PMP-30 23129-X	500
PMP-30 23129-Y	500
PMP-30 23129-Z	500
PMP-30 23129-N	500
PMP-30 23129-PLS	500
PMP-30 23129-MNS	500
PMP-30 23129-EQL	500
PMP-30 23129-AC	500
PMP-30 23129-GND	500
PM-01 50112 Cable ext. Ø range 2÷3,7mm; c.s.a range 0,5÷2,5mm <sup>2</sup>	1.000
PM-02 50212 Cable ext. Ø range 3,5÷4,3mm; c.s.a range 2,5÷4mm <sup>2</sup>	1.000
PM-03 50312 Cable ext. Ø range 4÷6,3mm; c.s.a range 4÷10mm <sup>2</sup>	500
PM-04 50411 Cable ext. Ø range 6÷10mm; c.s.a range 10÷25mm <sup>2</sup>	500
PMP-ST 990002 Carrier	1
PMP-SMT 990005 Insertion tool	1

# PMP-30

## START kit

### The kit contains:

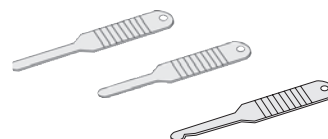
- 25x different **PMP-30** characters, black on white (numbers, letter and symbols in strips of 20 markers, bags of 500)
- 4x sizes of **PM** transparent holders, length 12mm, for cables nominal c.s.a 0,5 to 25 mm<sup>2</sup>
- 1x **PMP-ST** carrier set for 25 strips
- 1x insertion tool **PMP-SMT** length 15 mm

 Operating temperature range  
-30°C to +90°C



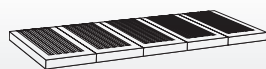
## TOOLS

Model	Code	Tab length mm	Markers	Quantity
PMP-SMT insertion tool	990005	15,0	PMP-30	1
	990006	20,0	PMP-30	1
PMP-ET extraction tool	990018	15,0	PMP-30	1



## CARRIERS

Model	Code	Strips accommodated	Description	Quantity
PMP-ST for PMP-30	990001	5	Single module	1
	990002	25	Carrier set	1



Each modular carrier for PMP-30 can hold 5 strips of markers. Modules may be combined ad infinitum.

PMP-ST 990002 carrier set, consisting of 5 modules (for 25 strips, 500 markers) is supplied with non-slip rubber feet.

The marker strip is inserted vertically, with no risk of loss of markers.



# RMS-01

self extinguishing class  
VO: UL 94  
RoHS COMPLIANT 2011/65/EU

## PUSH ON RING CABLE MARKERS

alphanumeric

### BAG OF 1.000 MARKERS

Cable ext. Ø range 1,3 ÷ 3 mm (0.05÷0.12 in.)  
c.s.a range 0,35 ÷ 1 mm<sup>2</sup> (22÷17 AWG)

Colour	Character	Code	
white	A to Z	59549-...	add the character
	+		
	0 to 9		
	PLS MNS EQL STK GNDP GND AC OHM		
yellow	A to Z	59544-...	add the character
	+		
	0 to 9		
	PLS MNS EQL STK GNDP GND AC OHM		
black	0	59540-0	
		59540-	unprinted
brown	1	59541-1	
		59541-	unprinted
red	2	59542-2	
	+	59542-PLS	
orange		59542-	unprinted
	3	59543-3	
yellow		59543-	unprinted
	4	59544-4	
green		59544-	unprinted
	5	59545-5	
blue		59545-	unprinted
	6	59546-6	
violet		59546-	unprinted
	7	59547-7	
grey		59547-	unprinted
	8	59548-8	
white		59548-	unprinted
	9	59549-9	
		59549-	unprinted

RMS push-on ring cable markers available in four range-taking sizes for marking cables with external diameters from 1,3 to 16,0 mm.

Characters are printed in black on a white or yellow background, or according to the IEC 757 colour code for numbered or unprinted versions. Made from soft PVC, self extinguishing

according to VO (UL 94), they are chevron-cut for perfect alignment on the conductor.

Characters are printed by a hot process, making a slight impression in the material to maintain indelible marking over time.

**Material:** Soft PVC, self extinguishing according to class VO: UL 94

Operating temperature range  
-30°C to +90°C  
-22°F to +194°F

### WARNING:

Markers with electrical symbols are identified by the following suffixes:

 RMS-01 59544-GNDP

### REEL OF 1.000 MARKERS

Cable ext. Ø range 1,3 ÷ 3 mm (0.05÷0.12 in.)  
c.s.a range 0,35 ÷ 1 mm<sup>2</sup> (22÷17 AWG)

white	A to Z	59349-...	add the character
	+		
	0 to 9		
	PLS MNS EQL STK GNDP GND AC OHM		
yellow	A to Z	59344-...	add the character
	+		
	0 to 9		
	PLS MNS EQL STK GNDP GND AC OHM		



RING  
cables

## PUSH ON RING CABLE MARKERS

alphanumeric

### BAG OF 1.000 MARKERS

Cable ext. Ø range 2,5 ÷ 5 mm (0.1÷0.19 in.)  
 c.s.a range 1,5 ÷ 4 mm<sup>2</sup> (15÷11 AWG)



Colour	Character	Code	
white	A to Z + - = / ⊕ ⊕ ~ Ω	59649-...	add the character
	0 to 9 PLS MNS EQL STK GNDP GND AC OHM		
	. , : ; * Δ ∇ 0 DOT COM CLN SCLN AST DELTA STAR DIA		
yellow	A to Z + - = / ⊕ ⊕ ~ Ω	59644-...	add the character
	0 to 9 PLS MNS EQL STK GNDP GND AC OHM		
	. , : ; * Δ ∇ 0 DOT COM CLN SCLN AST DELTA STAR DIA		
black		0 59640-0	
		59640-	unprinted
brown		1 59641-1	
		59641-	unprinted
red		2 59642-2	
		+ 59642-PLS	
		59642-	unprinted
orange		3 59643-3	
		59643-	unprinted
yellow		4 59644-4	
		59644-	unprinted
green		5 59645-5	
		59645-	unprinted
blue		6 59646-6	
		- 59646-MNS	
		59646-	unprinted
violet		7 59647-7	
		59647-	unprinted
grey		8 59648-8	
		59648-	unprinted
white		9 59649-9	
		59649-	unprinted

### REEL OF 1.000 MARKERS

Cable ext. Ø range 2,5 ÷ 5 mm (0.1÷0.19 in.)  
 c.s.a range 1,5 ÷ 4 mm<sup>2</sup> (15÷11 AWG)



white	A to Z + - = / ⊕ ⊕ ~ Ω	59449-...	add the character
	0 to 9 PLS MNS EQL STK GNDP GND AC OHM		
	. , : ; * Δ ∇ 0 DOT COM CLN SCLN AST DELTA STAR DIA		
yellow	A to Z + - = / ⊕ ⊕ ~ Ω	59444-...	add the character
	0 to 9 PLS MNS EQL STK GNDP GND AC OHM		
	. , : ; * Δ ∇ 0 DOT COM CLN SCLN AST DELTA STAR DIA		



# RMS-03

## PUSH ON RING CABLE MARKERS

*alphanumeric*



**BAG OF 500 MARKERS**  
Cable ext. Ø range 4 ÷ 10 mm (0.15÷0.39 in.)  
c.s.a range 4 ÷ 16 mm<sup>2</sup> (11÷5 AWG)

Colour	Character	Code	
□ white	A to Z + - = / ⊕ ⊕ ⊕ ⊕	59749-...	add the character
	0 to 9 PLS MNS EQL STK GNDP GND AC OHM		
	. , : ; * Δ ⊕ ⊕ ⊕ ⊕		
	DOT COM CLN SCLN AST DELTA STAR DIA		
■ yellow	A to Z + - = / ⊕ ⊕ ⊕ ⊕	59744-...	add the character
	0 to 9 PLS MNS EQL STK GNDP GND AC OHM		
	. , : ; * Δ ⊕ ⊕ ⊕ ⊕		
	DOT COM CLN SCLN AST DELTA STAR DIA		
■ black		0 59740-0	
		■ 59740-	unprinted
■ brown		1 59741-1	
		■ 59741-	unprinted
■ red		2 59742-2	
		■+ 59742-PLS	
		■ 59742-	unprinted
■ orange		3 59743-3	
		■ 59743-	unprinted
■ yellow		4 59744-4	
		■ 59744-	unprinted
■ green		5 59745-5	
		■ 59745-	unprinted
■ blue		6 59746-6	
		■- 59746-MNS	
		■ 59746-	unprinted
■ violet		7 59747-7	
		■ 59747-	unprinted
■ grey		8 59748-8	
		■ 59748-	unprinted
□ white		9 59749-9	
		□ 59749-	unprinted

# RMT

## ACCESSORIES

*for push-on ring cable markers*



Code	Quantity
<b>RMT-01</b> Insertion tool for RMS-01	
990023	1
<b>RMT-02</b> Insertion tool for RMS-02	
990024	1
<b>RMT-03</b> Insertion tool for RMS-03	
990025	1

**RING**  
cables

# RMS-04

## PUSH ON RING CABLE MARKERS

alphanumeric

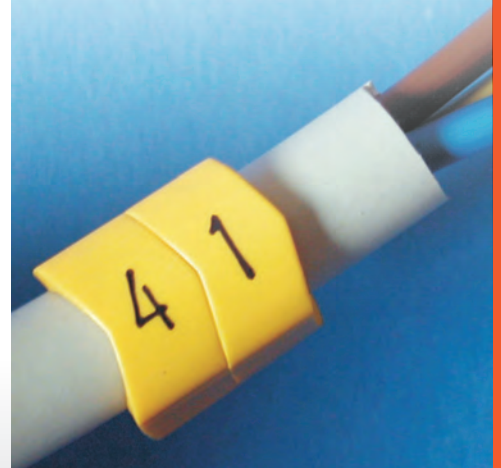
### BAG OF 100 MARKERS

Cable ext. Ø range 8 ÷ 16 mm (0.31÷0.63 in.)

c.s.a range 16 ÷ 70 mm<sup>2</sup> (5÷2/0 AWG)



Colour	Character	Code																																
white	A to Z	59849-...	add the character																															
	0 to 9																																	
	<table border="1"> <tr> <td>+</td><td>-</td><td>=</td><td>/</td><td>⊕</td><td>⊖</td><td>~</td><td>Ω</td> </tr> <tr> <td>PLS</td><td>MNS</td><td>EQL</td><td>STK</td><td>GNDP</td><td>GND</td><td>AC</td><td>OHM</td> </tr> <tr> <td>.</td><td>,</td><td>:</td><td>;</td><td>*</td><td>▲</td><td>⚡</td><td>0</td> </tr> <tr> <td>DOT</td><td>COM</td><td>CLN</td><td>SCLN</td><td>AST</td><td>DELTA</td><td>STAR</td><td>DIA</td> </tr> </table>	+	-	=	/	⊕	⊖	~	Ω	PLS	MNS	EQL	STK	GNDP	GND	AC	OHM	.	,	:	;	*	▲	⚡	0	DOT	COM	CLN	SCLN	AST	DELTA	STAR	DIA	
+	-	=	/	⊕	⊖	~	Ω																											
PLS	MNS	EQL	STK	GNDP	GND	AC	OHM																											
.	,	:	;	*	▲	⚡	0																											
DOT	COM	CLN	SCLN	AST	DELTA	STAR	DIA																											
yellow	A to Z	59844-...	add the character																															
	0 to 9																																	
	<table border="1"> <tr> <td>+</td><td>-</td><td>=</td><td>/</td><td>⊕</td><td>⊖</td><td>~</td><td>Ω</td> </tr> <tr> <td>PLS</td><td>MNS</td><td>EQL</td><td>STK</td><td>GNDP</td><td>GND</td><td>AC</td><td>OHM</td> </tr> <tr> <td>.</td><td>,</td><td>:</td><td>;</td><td>*</td><td>▲</td><td>⚡</td><td>0</td> </tr> <tr> <td>DOT</td><td>COM</td><td>CLN</td><td>SCLN</td><td>AST</td><td>DELTA</td><td>STAR</td><td>DIA</td> </tr> </table>	+	-	=	/	⊕	⊖	~	Ω	PLS	MNS	EQL	STK	GNDP	GND	AC	OHM	.	,	:	;	*	▲	⚡	0	DOT	COM	CLN	SCLN	AST	DELTA	STAR	DIA	
+	-	=	/	⊕	⊖	~	Ω																											
PLS	MNS	EQL	STK	GNDP	GND	AC	OHM																											
.	,	:	;	*	▲	⚡	0																											
DOT	COM	CLN	SCLN	AST	DELTA	STAR	DIA																											
black		0 59840-0																																
		■ 59840-	unprinted																															
brown		1 59841-1																																
		■ 59841-	unprinted																															
red		2 59842-2																																
		■ 59842-PLS																																
		■ 59842-	unprinted																															
orange		3 59843-3																																
		■ 59843-	unprinted																															
yellow		4 59844-4																																
		■ 59844-	unprinted																															
green		5 59845-5																																
		■ 59845-	unprinted																															
blue		6 59846-6																																
		■ 59846-MNS																																
		■ 59846-	unprinted																															
violet		7 59847-7																																
		■ 59847-	unprinted																															
grey		8 59848-8																																
		■ 59848-	unprinted																															
white		9 59849-9																																
		□ 59849-	unprinted																															



# FMS



## PUSH-ON FLAT RING CABLE MARKERS

with tie-on carriers



### FMS-04

BAGS OF 500 MARKERS. Marker length 4 mm

Colour	Character	Code																																																																																																							
yellow	<table border="1"> <tr> <td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td><td>G</td><td>H</td><td>I</td><td>J</td><td>K</td><td>L</td><td>M</td><td>N</td><td>O</td><td>P</td><td>Q</td><td>R</td><td>S</td><td>T</td><td>U</td><td>V</td><td>W</td><td>X</td><td>Y</td><td>Z</td> </tr> <tr> <td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td> <td>PLS</td><td>MNS</td><td>EQL</td><td>STK</td><td>GNDP</td><td>GND</td><td>AC</td><td>OHM</td> <td>Ω</td> <td>⊕</td><td>⊖</td><td>⊛</td><td>⊜</td><td>⊝</td><td>⊞</td><td>⊟</td><td>⊠</td><td>⊡</td><td>⊢</td><td>⊣</td><td>⊤</td><td>⊥</td><td>⊦</td><td>⊧</td><td>⊨</td><td>⊩</td><td>⊪</td><td>⊫</td><td>⊬</td><td>⊭</td><td>⊮</td><td>⊯</td><td>⊰</td><td>⊱</td><td>⊲</td><td>⊳</td><td>⊴</td><td>⊵</td><td>⊶</td><td>⊷</td><td>⊸</td><td>⊹</td><td>⊺</td><td>⊻</td><td>⊼</td><td>⊽</td><td>⊾</td><td>⊿</td> </tr> <tr> <td>·</td><td>,</td><td>:</td><td>;</td><td>*</td><td>Δ</td><td>⊲</td><td>⊳</td><td>⊴</td><td>⊵</td> <td>DOT</td><td>COM</td><td>CLN</td><td>SCLN</td><td>AST</td><td>DELTA</td><td>STAR</td><td>DIA</td> </tr> </table>	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	0	1	2	3	4	5	6	7	8	9	PLS	MNS	EQL	STK	GNDP	GND	AC	OHM	Ω	⊕	⊖	⊛	⊜	⊝	⊞	⊟	⊠	⊡	⊢	⊣	⊤	⊥	⊦	⊧	⊨	⊩	⊪	⊫	⊬	⊭	⊮	⊯	⊰	⊱	⊲	⊳	⊴	⊵	⊶	⊷	⊸	⊹	⊺	⊻	⊼	⊽	⊾	⊿	·	,	:	;	*	Δ	⊲	⊳	⊴	⊵	DOT	COM	CLN	SCLN	AST	DELTA	STAR	DIA	32274-...	add the character
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z																																																																																
0	1	2	3	4	5	6	7	8	9	PLS	MNS	EQL	STK	GNDP	GND	AC	OHM	Ω	⊕	⊖	⊛	⊜	⊝	⊞	⊟	⊠	⊡	⊢	⊣	⊤	⊥	⊦	⊧	⊨	⊩	⊪	⊫	⊬	⊭	⊮	⊯	⊰	⊱	⊲	⊳	⊴	⊵	⊶	⊷	⊸	⊹	⊺	⊻	⊼	⊽	⊾	⊿																																																
·	,	:	;	*	Δ	⊲	⊳	⊴	⊵	DOT	COM	CLN	SCLN	AST	DELTA	STAR	DIA																																																																																								
		32274-	unprinted																																																																																																						

FMS flat ring markers printed black on yellow, push onto tie-on carriers for attachment to large diameter cables, etc.

Made from soft PVC, self extinguishing

according to VO (UL 94), they are chevron-cut for perfect alignment on the conductor.

Characters are printed by a hot process, making a slight impression in the material to maintain indelible marking over time.

**Material:** Soft PVC, self extinguishing according to class VO: UL 94

Operating temperature range  
 -30°C to +90°C  
 -22°F to +194°F

**WARNING:** Markers with electrical symbols are identified by the following suffixes:

⊕ FMS-04 32274-GNDP



### FMS-40

BAGS OF 100 MARKERS. Marker length 40 mm

yellow		20314	unprinted
--------	--	-------	-----------

## ACCESSORIES

for push-on flat ring cable markers, tie width max 4,8mm

### FMH-7 Carrier for 7 x FMS-04

Height mm	Length mm	Code	Quantity
9	30	990088	100

### FMH-12 Carrier for 12 x FMS-04 or 1 x FMS-40

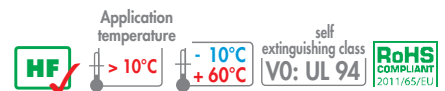
9	50	990089	100
---	----	--------	-----

### FMH-18 Carrier for 18 x FMS-04

9	70	990090	100
---	----	--------	-----



# MS-ETF



## LAMINATED WRITE-ON TIE-ON TAGS

pre-cut, one piece markers, tie-on

For attachment by cable ties to pipes, conduits and cables with larger diameters.

A permanent marker is used to hand-write data on the tag over which an adhesive, transparent film is applied for protection.

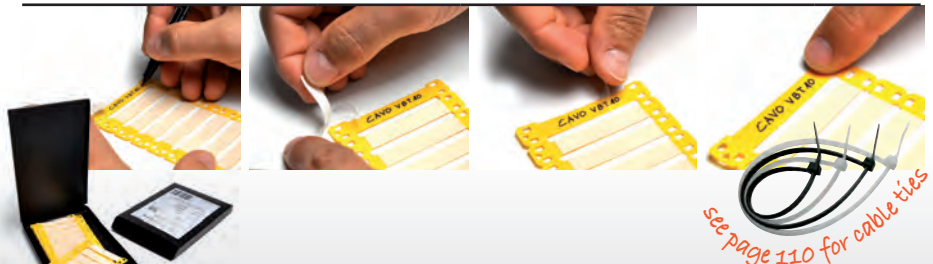
**Material:**

- UV stabilized Polypropylene (PP) for tag
- Polyester (O-PET) for protective film

Operating temperature range  
 -10°C to +60°C  
 Application temperature  
 10°C

Cable tie max width 4,8 mm.

	Height mm	Length mm	Code	Print area mm	Quantity
yellow	14	70	4810-YE	48x10	100
	15	100	5515-YE	55x15	100
	15	130	8515-YE	85x15	100



RING  
cables

## WRAPAROUND CABLE MARKERS

*self adhesive, self laminating, square corners, precut*

# KM

### KM 05025

Wrapping diameter 6÷10 mm

Print area (Cx B) 15x25 mm. Overall length A: 50 mm

Colour	Code	Quantity
<input type="checkbox"/> white	189109	90
<input type="checkbox"/> yellow	184109	90
<input type="checkbox"/> orange	183109	90
<input type="checkbox"/> red	182109	90
<input type="checkbox"/> blue	186109	90
<input type="checkbox"/> green	185109	90

### KM 07525

Wrapping diameter 8÷14 mm

Print area (Cx B) 25x25 mm. Overall length A: 75 mm

<input type="checkbox"/> white	189115	60
<input type="checkbox"/> yellow	184115	60
<input type="checkbox"/> orange	183115	60
<input type="checkbox"/> red	182115	60
<input type="checkbox"/> blue	186115	60
<input type="checkbox"/> green	185115	60

### KM 15025

Wrapping diameter 20÷38 mm

Print area (Cx B) 25x25 mm. Overall length A: 150 mm

<input type="checkbox"/> white	189123	30
<input type="checkbox"/> yellow	184123	30
<input type="checkbox"/> orange	183123	30
<input type="checkbox"/> red	182123	30
<input type="checkbox"/> blue	186123	30
<input type="checkbox"/> green	185123	30

KM wraparound cable markers are suitable for use with marker pens and are ideal for identifying large diameter cables, tubes and conduit.


The procedure is quick - carefully hand print on the markable coloured area then wrap the marker around the cable/tube overlapping the clear part onto the marked area to protect it from water, alcohol, dust, and chemical and atmospheric agents.

The fixing margin is important as it protects the marking from contamination by the hands.

Many types of marking media can be used including pencil, ballpoint pen, marker pen, etc.

**Material:** Soft PVC film. Resistant to water, oil, grease, alcohol, detergent, alkaline substances and atmospheric agents.

Self extinguishing, high resistance to UV radiation

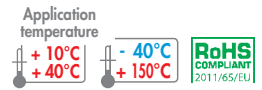
 Operating temperature range  
- 30°C to + 140°C  
- 22°F to + 284°F

#### USE

Directly on cables, etc in accordance with wrapping diameter limitations shown for each size.



# ANS



## WRAPAROUND CABLE MARKERS

**SELF ADHESIVE**

self adhesive, self laminating, square corners, precut

Strip size 8 x 65 mm

	Colour	Code		Strips per sheet	Quantity
U1 to U12	white with black print	25109-...	alphanumeric add the character	20	300
V1 to V12					
W1 to W12					
A to Z	white with black print	25109-...	add the character	20	300
0 to 9					
	white	25109-	unprinted	20	300

Adhesive pre-printed strips for the temporary or permanent marking of insulated and uninsulated conductors.

ANS strips may be used in the production of electric motors as the material will withstand the oven temperatures at which the insulating resins of stators and rotors are baked.

Also available with numeric and alphanumeric combinations and progressions.

**Material:** Polyester film.

Resistant to water, alcohol, oils and atmospheric agents.

Excellent dimensional stability

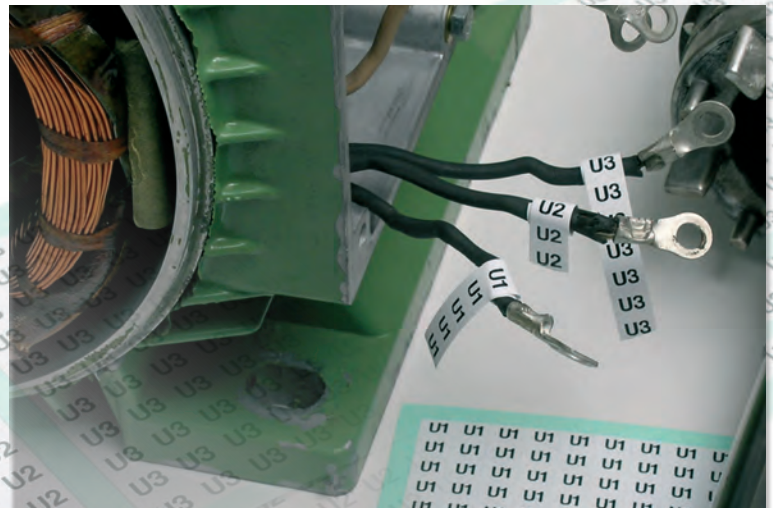
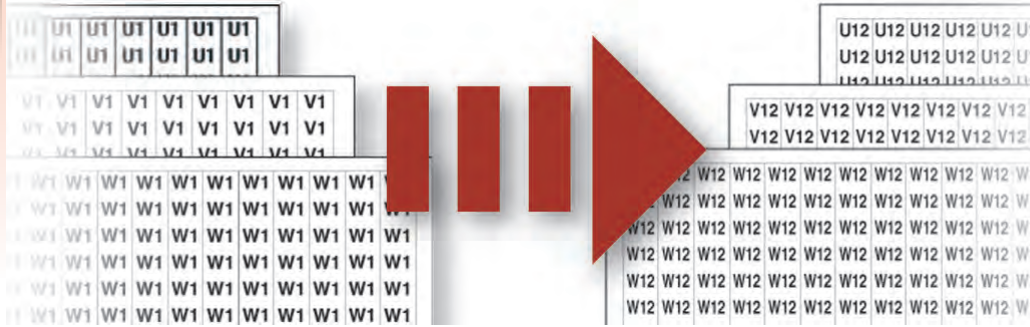
†: Operating temperature range

-40°C to +150°C

-40°F to +302°F

Min. application

temperature: +10°C (+50°F)



Use

Directly on cables

**RING**  
cables





## ALPHANUMERIC SIGNS

SELF ADHESIVE



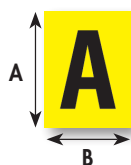
ARR-H PLS MNS STK DOT EQL



### SINGLE

Code	Size AxB mm	Quantity
374101-...	10x6	500
374102-...	13x9	450
374114-...	11x11	300
374103-...	15x10	280
374104-...	20x12	240
374105-...	19x14	240
374106-...	25x16	120
374107-...	38x22	80
374108-...	60x34	25
374109-...	99x56	15
374110-...	124x70	10
374111-...	175x99	5
* 374111AR-...	175x99	1
374112-...	200x148	1
* 374112AR-...	200x148	1
374113-...	297x210	1
* 374113AR-...	297x210	1

\*AR: Aluminium undrilled, not adhesive, made to order  
NOTE: Sign with letter "I" is narrower



### DOUBLE

MADE TO ORDER

Code	Size AxB mm	Quantity
374101-...	10x12	500
374102-...	13x18	450
374114-...	11x22	300
374103-...	15x20	280
374104-...	20x24	240
374105-...	19x28	240
374106-...	25x32	120
374107-...	38x44	80
374108-...	60x68	25
374109-...	99x112	15
374110-...	124x140	10
374111-...	175x198	5
* 374111AR-...	175x198	1
374112-...	200x296	1
* 374112AR-...	200x296	1
374113-...	297x420	1
* 374113AR-...	297x420	1

\*AR: Aluminium undrilled, not adhesive, made to order  
NOTE: Sign with letter "I" is narrower

# ANL



18

Also available with numeric and alphanumeric combinations and progressions.

Material: PVC film

Operating temperature range  
-30°C to +80°C  
-22°F to +176°F

Min. application temperature: +10°C (+50°F)

Examples of composition using the roman numerals:

4 = I V  
6 = V I  
7 = V II  
8 = V III  
9 = I X  
11 = X I  
12 = X II  
13 = X III  
14 = X I V  
16 = X V I  
17 = X V II  
18 = X V III  
19 = X I X  
20 = X X  
21 = X X I  
22 = X X II  
23 = X X III  
24 = X X I V  
25 = X X V  
26 = X X V I  
27 = X X V II  
28 = X X V III  
29 = X X I X



# SM-01



## SNAP-ON CABLE MARKERS



### SM-01

Cable markers with brown applicator.  
Cable ext.Ø range 1 ÷ 1,4 mm (0.04±0.05 in.) and c.s.a range 0,25 ÷ 0,35 mm<sup>2</sup> (23±22 AWG)

Ten range-taking sizes are available for identifying conductors with diameters from 1,0 mm to 19,0 mm, corresponding to cross sections from 0,10 to 120mm<sup>2</sup> approximately. Markers are attached directly from their applicators, which are colour coded for different sizes.

The smaller sizes, SM-01 and SM-02, provide ideal identification system for small-section cables, eg in electronic equipment, while SM-12 and SM-15 sizes are particularly recommended for identifying the connecting cables of IT networks.

Packs contain either 300 or 50 markers printed black on white or yellow backgrounds or colour coded according to IEC 757. SM-06, SM-09 and SM-12 sizes are double marked for enhanced legibility.

Snap-on cable markers are made from a special copolymer which provides excellent mechanical and physical characteristics, being non-degradable and non-deformable up to 105°C (221°F) and able to withstand temperatures of -40°C (-40°F).

**Material:** POM – acetylic resin, dimensionally stable to +106°C (+222,8°F), non-degradable and non-deformable to -40°C (-40°F).

Resistant to oil, grease, chemical and atmospheric agents, detergents, oxalic acids, alkaline solutions and organic and inorganic chemical substances. High elasticity combined with high rigidity, for optimal grip on the conductor.

**WARNING:**  
Markers with electrical symbols are identified by the following suffixes:

☺ SM-01 17400-GNDP

Colour	Character	Code	Markers per applicator	Quantity
☐ white	A to Z + - ~ / . ≡ :	17900-... add the character	30	300
	0 to 9 PLS MNS AC STK DOT GND CLN			
☐ yellow	A to Z + - ~ / . ≡ :	17400-... add the character	30	300
	0 to 9 PLS MNS AC STK DOT GND CLN			
■ black		0 * 17000-0	30	300
	unprinted	■ * 17000-	30	300
■ brown		1 * 17100-1	30	300
	unprinted	■ * 17100-	30	300
■ red		2 * 17200-2	30	300
		+ * 17200-PLS	30	300
	unprinted	■ * 17200-	30	300
■ orange		3 * 17300-3	30	300
	unprinted	■ * 17300-	30	300
☐ yellow	unprinted	■ 17400-	30	300
	■ green		5 * 17500-5	30
unprinted		■ * 17500-	30	300
■ blue		6 * 17600-6	30	300
		- * 17600-MNS	30	300
	unprinted	■ * 17600-	30	300
■ violet		7 * 17700-7	30	300
	unprinted	■ * 17700-	30	300
■ grey		8 * 17800-8	30	300
	unprinted	■ * 17800-	30	300
☐ white	unprinted	☐ 17900-	30	300

\*Made to order

**RETROFIT?  
INDISPENSABLE!**

**RING**  
cables



## SM-02

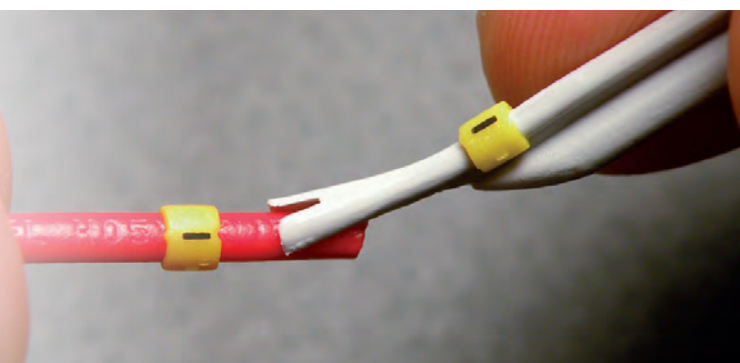
Cable markers with grey applicator.

Cable ext.Ø range 1,4 ÷ 1,8 mm (0.05÷0.07 in.) and c.s.a range 0,35 ÷ 0,75 mm<sup>2</sup> (22÷18 AWG)

Colour	Character	Code	Markers per applicator	Quantity
<input type="checkbox"/> white	<b>A</b> to <b>Z</b> <b>+</b> <b>-</b> <b>~</b> <b>/</b> <b>.</b> <b>⏏</b> <b>:</b> <b>0</b> to <b>9</b> <b>PLS</b> <b>MNS</b> <b>AC</b> <b>STK</b> <b>DOT</b> <b>GND</b> <b>CLN</b>	<b>17910-...</b> add the character	30	300
<input type="checkbox"/> yellow	<b>A</b> to <b>Z</b> <b>+</b> <b>-</b> <b>~</b> <b>/</b> <b>.</b> <b>⏏</b> <b>:</b> <b>0</b> to <b>9</b> <b>PLS</b> <b>MNS</b> <b>AC</b> <b>STK</b> <b>DOT</b> <b>GND</b> <b>CLN</b>	<b>17410-...</b> add the character	30	300
<input type="checkbox"/> black		<b>0</b> * <b>17010-0</b>	30	300
	unprinted	<input type="checkbox"/> * <b>17010-</b>	30	300
<input type="checkbox"/> brown		<b>1</b> * <b>17110-1</b>	30	300
	unprinted	<input type="checkbox"/> * <b>17110-</b>	30	300
<input type="checkbox"/> red		<b>2</b> * <b>17210-2</b>	30	300
		<b>+</b> * <b>17210-PLS</b>	30	300
	unprinted	<input type="checkbox"/> * <b>17210-</b>	30	300
<input type="checkbox"/> orange		<b>3</b> * <b>17310-3</b>	30	300
	unprinted	<input type="checkbox"/> * <b>17310-</b>	30	300
<input type="checkbox"/> yellow		<b>4</b> * <b>17410-</b>	30	300
<input type="checkbox"/> green		<b>5</b> * <b>17510-5</b>	30	300
	unprinted	<input type="checkbox"/> * <b>17510-</b>	30	300
<input type="checkbox"/> blue		<b>6</b> * <b>17610-6</b>	30	300
		<b>-</b> * <b>17610-MNS</b>	30	300
	unprinted	<input type="checkbox"/> * <b>17610-</b>	30	300
<input type="checkbox"/> violet		<b>7</b> * <b>17710-7</b>	30	300
	unprinted	<input type="checkbox"/> * <b>17710-</b>	30	300
<input type="checkbox"/> grey		<b>8</b> * <b>17810-8</b>	30	300
	unprinted	<input type="checkbox"/> * <b>17810-</b>	30	300
<input type="checkbox"/> white		<input type="checkbox"/> * <b>17910-</b>	30	300

\*Made to order

**RETROFIT?  
INDISPENSABLE!**



# SM-03



## SNAP-ON CABLE MARKERS

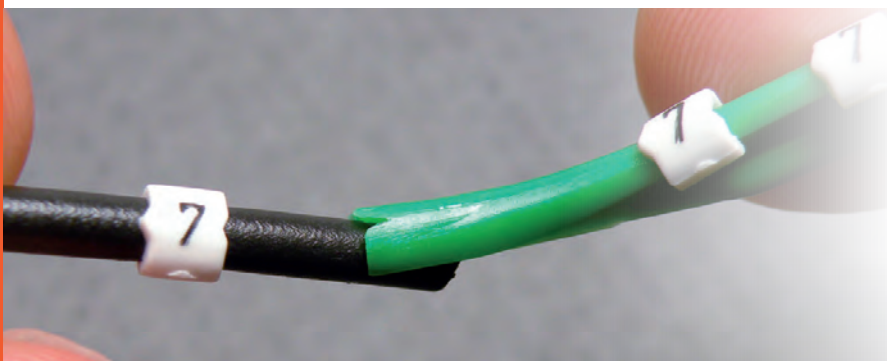


### SM-03

Cable markers with green applicator.  
Cable ext.Ø range 1,9 ÷ 2,65 mm (0.07÷0.10 in.) and c.s.a range 0,5 ÷ 1 mm<sup>2</sup> (20÷17 AWG)

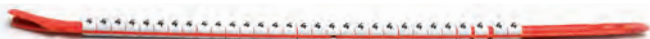
Colour	Character	Code	Markers per applicator	Quantity
□ white	A to Z + - ~ / . ≡ :	17920-... add the character	30	300
	0 to 9 PLS MNS AC STK DOT GND CLN			
■ yellow	A to Z + - ~ / . ≡ :	17420-... add the character	30	300
	0 to 9 PLS MNS AC STK DOT GND CLN			
■ black		0 * 17020-0	30	300
	unprinted	■ * 17020-	30	300
■ brown		1 * 17120-1	30	300
	unprinted	■ * 17120-	30	300
■ red		2 * 17220-2	30	300
		+ * 17220-PLS	30	300
	unprinted	■ * 17220-	30	300
■ orange		3 * 17320-3	30	300
	unprinted	■ * 17320-	30	300
■ yellow	unprinted	■ 17420-	30	300
■ green		5 * 17520-5	30	300
	unprinted	■ * 17520-	30	300
■ blue		6 * 17620-6	30	300
		- * 17620-MNS	30	300
	unprinted	■ * 17620-	30	300
■ violet		7 * 17720-7	30	300
	unprinted	■ * 17720-	30	300
■ grey		8 * 17820-8	30	300
	unprinted	■ * 17820-	30	300
□ white	unprinted	□ 17920-	30	300

\*Made to order



**RETROFIT?  
INDISPENSABLE!**

**RING**  
cables



SM-06



Cable markers with red applicator.

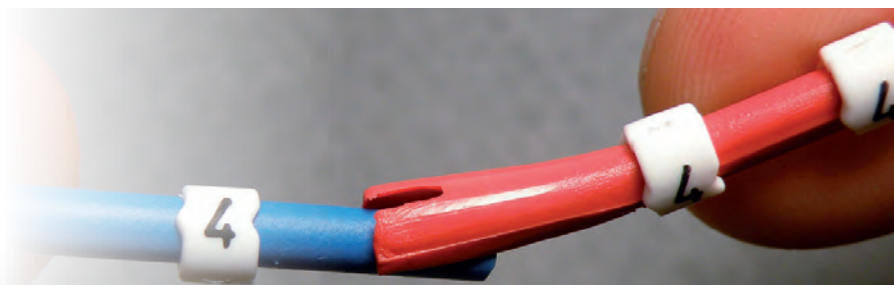
Cable ext.Ø range 2,6 ÷ 3,5 mm (0.10÷0.13 in.) and c.s.a range 0,75 ÷ 1,5 mm<sup>2</sup> (18÷15 AWG)

Colour	Character	Code	Markers per applicator	Quantity
white	A to Z + - ~ / . : 0 to 9 PLS MNS AC STK DOT GND CLN	17930-... add the character	30	300
yellow	A to Z + - ~ / . : 0 to 9 PLS MNS AC STK DOT GND CLN	17430-... add the character	30	300
black		0 * 17030-0	30	300
	unprinted	* 17030-	30	300
brown		1 * 17130-1	30	300
	unprinted	* 17130-	30	300
red		2 * 17230-2	30	300
		+ * 17230-PLS	30	300
	unprinted	* 17230-	30	300
orange		3 * 17330-3	30	300
	unprinted	* 17330-	30	300
yellow		17430-	30	300
green		5 * 17530-5	30	300
	unprinted	* 17530-	30	300
blue		6 * 17630-6	30	300
		- * 17630-MNS	30	300
	unprinted	* 17630-	30	300
violet		7 * 17730-7	30	300
	unprinted	* 17730-	30	300
grey		8 * 17830-8	30	300
	unprinted	* 17830-	30	300
white	unprinted	17930-	30	300

\*Made to order



**RETROFIT?  
INDISPENSABLE!**



# SM-09



## SNAP-ON CABLE MARKERS

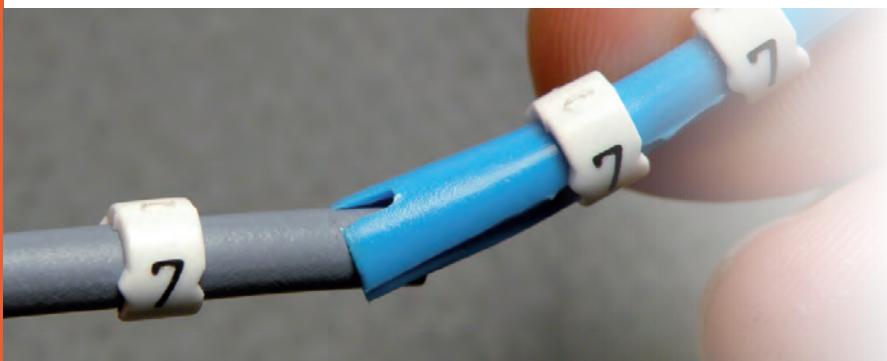


### SM-09

Cable markers with blue applicator.  
Cable ext.Ø range 3,25 ÷ 4,5 mm (0.13÷0.17 in.) and c.s.a range 1,5 ÷ 2,5 mm<sup>2</sup> (15÷13 AWG)

Colour	Character	Code	Markers per applicator	Quantity
□ white	<b>A</b> to <b>Z</b> <b>+</b> <b>-</b> <b>~</b> <b>/</b> <b>.</b> <b>≡</b> <b>:</b>	<b>17940-...</b> add the character	30	300
	<b>0</b> to <b>9</b> <b>PLS</b> <b>MNS</b> <b>AC</b> <b>STK</b> <b>DOT</b> <b>GND</b> <b>CLN</b>			
■ yellow	<b>A</b> to <b>Z</b> <b>+</b> <b>-</b> <b>~</b> <b>/</b> <b>.</b> <b>≡</b> <b>:</b>	<b>17440-...</b> add the character	30	300
	<b>0</b> to <b>9</b> <b>PLS</b> <b>MNS</b> <b>AC</b> <b>STK</b> <b>DOT</b> <b>GND</b> <b>CLN</b>			
■ black		<b>0</b> * <b>17040-0</b>	30	300
	unprinted	■ * <b>17040-</b>	30	300
■ brown		<b>1</b> * <b>17140-1</b>	30	300
	unprinted	■ * <b>17140-</b>	30	300
■ red		<b>2</b> * <b>17240-2</b>	30	300
		<b>+</b> * <b>17240-PLS</b>	30	300
	unprinted	■ * <b>17240-</b>	30	300
■ orange		<b>3</b> * <b>17340-3</b>	30	300
	unprinted	■ * <b>17340-</b>	30	300
■ yellow	unprinted	■ <b>17440-</b>	30	300
■ green		<b>5</b> * <b>17540-5</b>	30	300
	unprinted	■ * <b>17540-</b>	30	300
■ blue		<b>6</b> * <b>17640-6</b>	30	300
		<b>-</b> * <b>17640-MNS</b>	30	300
	unprinted	■ * <b>17640-</b>	30	300
■ violet		<b>7</b> * <b>17740-7</b>	30	300
	unprinted	■ * <b>17740-</b>	30	300
■ grey		<b>8</b> * <b>17840-8</b>	30	300
	unprinted	■ * <b>17840-</b>	30	300
□ white	unprinted	□ <b>17940-</b>	30	300

\*Made to order



**RETROFIT?  
INDISPENSABLE!**

**RING**  
cables

## SNAP-ON CABLE MARKERS

# SM-12



SM-12

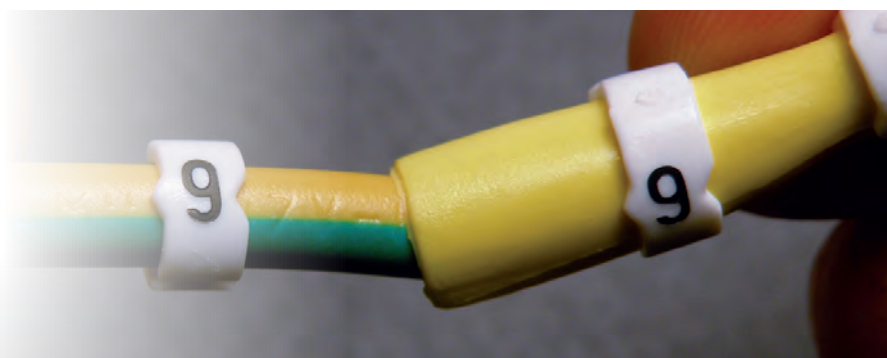
Cable markers with yellow applicator.  
Cable ext.Ø range 4,5 ÷ 6 mm (0.17÷0.23 in.) and c.s.a range 4 ÷ 6 mm<sup>2</sup> (11÷10 AWG)

Colour	Character	Code	Markers per applicator	Quantity
white	A to Z + - ~ / . : 0 to 9 PLS MNS AC STK DOT GND CLN	17950-... add the character	30	300
yellow	A to Z + - ~ / . : 0 to 9 PLS MNS AC STK DOT GND CLN	17450-... add the character	30	300
black		0 * 17050-0	30	300
	unprinted	* 17050-	30	300
brown		1 * 17150-1	30	300
	unprinted	* 17150-	30	300
red		2 * 17250-2	30	300
		+ * 17250-PLS	30	300
	unprinted	* 17250-	30	300
orange		3 * 17350-3	30	300
	unprinted	* 17350-	30	300
yellow		unprinted 17450-	30	300
green		5 * 17550-5	30	300
	unprinted	* 17550-	30	300
blue		6 * 17650-6	30	300
		- * 17650-MNS	30	300
	unprinted	* 17650-	30	300
viola		7 * 17750-7	30	300
	unprinted	* 17750-	30	300
grey		8 * 17850-8	30	300
	unprinted	* 17850-	30	300
white		unprinted 17950-	30	300

\*Made to order



**RETROFIT?  
INDISPENSABLE!**



# SM-15



## SNAP-ON CABLE MARKERS



### SM-15



Loose cable markers.

Cable ext. Ø range 5,8 ÷ 8,5 mm (0.22÷0.33 in.) and c.s.a range 10 ÷ 16 mm<sup>2</sup> (7÷5 AWG)

Colour	Character	Code	Quantity
□ white	A to Z + - ~ / . ≡ :	17960-... add the character	50
	0 to 9 PLS MNS AC STK DOT GND CLN		
■ yellow	A to Z + - ~ / . ≡ :	17460-... add the character	50
	0 to 9 PLS MNS AC STK DOT GND CLN		
■ black		0 * 17060-0	50
	unprinted	■ * 17060-	50
■ brown		1 * 17160-1	50
	unprinted	■ * 17160-	50
■ red		2 * 17260-2	50
		+ * 17260-PLS	50
	unprinted	■ * 17260-	50
■ orange		3 * 17360-3	50
	unprinted	■ * 17360-	50
■ yellow		4 * 17460-	50
	unprinted	■ * 17460-	50
■ green		5 * 17560-5	50
	unprinted	■ * 17560-	50
■ blue		6 * 17660-6	50
		- * 17660-MNS	50
	unprinted	■ * 17660-	50
■ violet		7 * 17760-7	50
	unprinted	■ * 17760-	50
■ grey		8 * 17860-8	50
	unprinted	■ * 17860-	50
□ white	unprinted	□ 17960-	50

\*Made to order

**RETROFIT?  
INDISPENSABLE!**



**RING**  
cables



## SM-17



STM-17  
990104  
applicator for SM-17

Loose cable markers.

Cable ext. Ø range 8,5 ÷ 11,5 mm (0.33÷0.45 in.) and c.s.a range 25 ÷ 35 mm<sup>2</sup> (3÷2 AWG)

Colour	Character	Code	Quantity
white	A to Z + - ~ / . _ :	17970-... add the character	50
	0 to 9 PLS MNS AC STK DOT GND CLN		
yellow	A to Z + - ~ / . _ :	17470-... add the character	50
	0 to 9 PLS MNS AC STK DOT GND CLN		
black		0 * 17070-0	50
	unprinted	* 17070-	50
brown		1 * 17170-1	50
	unprinted	* 17170-	50
red		2 * 17270-2	50
		+ * 17270-PLS	50
	unprinted	* 17270-	50
orange		3 * 17370-3	50
	unprinted	* 17370-	50
yellow	unprinted	17470-	50
green		5 * 17570-5	50
	unprinted	* 17570-	50
blue		6 * 17670-6	50
		- * 17670-MNS	50
	unprinted	* 17670-	50
violet		7 * 17770-7	50
	unprinted	* 17770-	50
grey		8 * 17870-8	50
	unprinted	* 17870-	50
white	unprinted	17970-	50

\*Made to order

**RETROFIT?  
INDISPENSABLE!**



# SM-21



## SNAP-ON CABLE MARKERS



### SM-21

Loose cable markers.

Cable ext.Ø range 11 ÷ 15 mm (0.43÷0.59 in.) and c.s.a range 35 ÷ 70 mm<sup>2</sup> (2÷2/0 AWG)



Colour	Character	Code	Quantity																				
<input type="checkbox"/> white	<table border="1"> <tr> <td>A</td><td>to</td><td>Z</td><td>+</td><td>-</td><td>~</td><td>/</td><td>.</td><td>⏏</td><td>:</td> </tr> <tr> <td>0</td><td>to</td><td>9</td><td>PLS</td><td>MNS</td><td>AC</td><td>STK</td><td>DOT</td><td>GND</td><td>CLN</td> </tr> </table>	A	to	Z	+	-	~	/	.	⏏	:	0	to	9	PLS	MNS	AC	STK	DOT	GND	CLN	17980-... add the character	50
A	to	Z	+	-	~	/	.	⏏	:														
0	to	9	PLS	MNS	AC	STK	DOT	GND	CLN														
<input type="checkbox"/> yellow	<table border="1"> <tr> <td>A</td><td>to</td><td>Z</td><td>+</td><td>-</td><td>~</td><td>/</td><td>.</td><td>⏏</td><td>:</td> </tr> <tr> <td>0</td><td>to</td><td>9</td><td>PLS</td><td>MNS</td><td>AC</td><td>STK</td><td>DOT</td><td>GND</td><td>CLN</td> </tr> </table>	A	to	Z	+	-	~	/	.	⏏	:	0	to	9	PLS	MNS	AC	STK	DOT	GND	CLN	17480-... add the character	50
A	to	Z	+	-	~	/	.	⏏	:														
0	to	9	PLS	MNS	AC	STK	DOT	GND	CLN														

**RETROFIT?  
INDISPENSABLE!**

# SM-24



## SEGNACAVO SNAP



### SM-24

Loose cable markers.

Cable ext.Ø range 15 ÷ 19 mm (0.59÷0.74 in.) and c.s.a range 70 ÷ 120 mm<sup>2</sup> (2/0÷4/0 AWG)



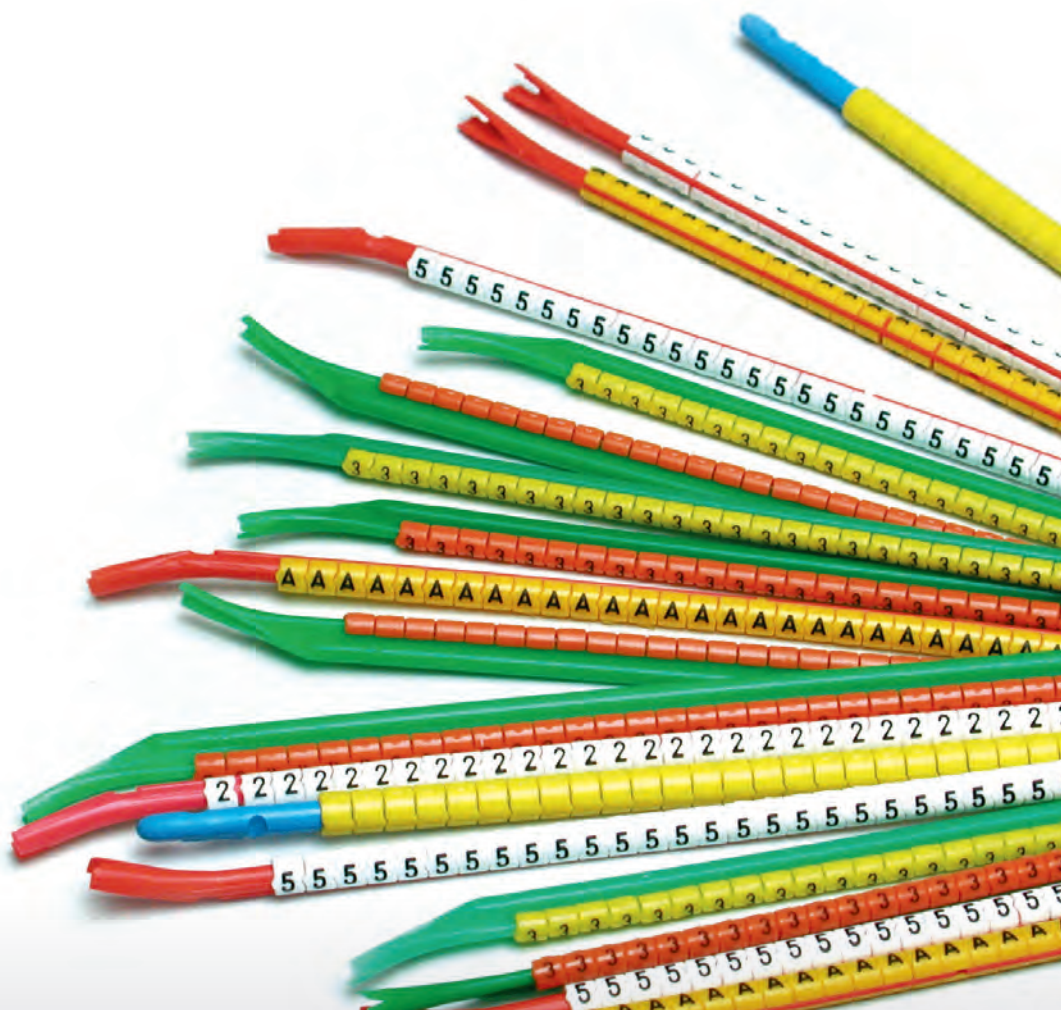
Colour	Character	Code	Quantity																				
<input type="checkbox"/> white	<table border="1"> <tr> <td>A</td><td>to</td><td>Z</td><td>+</td><td>-</td><td>~</td><td>/</td><td>.</td><td>⏏</td><td>:</td> </tr> <tr> <td>0</td><td>to</td><td>9</td><td>PLS</td><td>MNS</td><td>AC</td><td>STK</td><td>DOT</td><td>GND</td><td>CLN</td> </tr> </table>	A	to	Z	+	-	~	/	.	⏏	:	0	to	9	PLS	MNS	AC	STK	DOT	GND	CLN	17990-... add the character	50
A	to	Z	+	-	~	/	.	⏏	:														
0	to	9	PLS	MNS	AC	STK	DOT	GND	CLN														
<input type="checkbox"/> yellow	<table border="1"> <tr> <td>A</td><td>to</td><td>Z</td><td>+</td><td>-</td><td>~</td><td>/</td><td>.</td><td>⏏</td><td>:</td> </tr> <tr> <td>0</td><td>to</td><td>9</td><td>PLS</td><td>MNS</td><td>AC</td><td>STK</td><td>DOT</td><td>GND</td><td>CLN</td> </tr> </table>	A	to	Z	+	-	~	/	.	⏏	:	0	to	9	PLS	MNS	AC	STK	DOT	GND	CLN	17490-... add the character	50
A	to	Z	+	-	~	/	.	⏏	:														
0	to	9	PLS	MNS	AC	STK	DOT	GND	CLN														

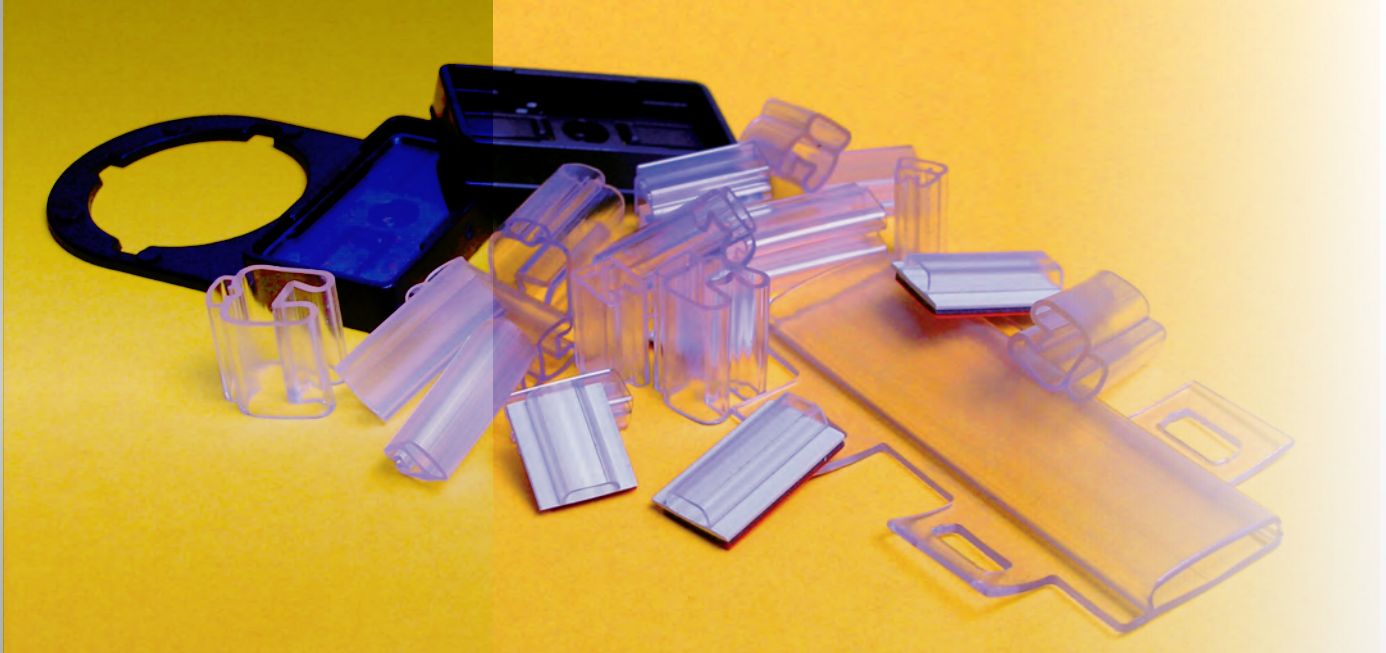
**RETROFIT?  
INDISPENSABLE!**

**RING**  
cables



Description	Code	Quantity
Applicator for SM-15	STM-15 990103	1
Applicator for SM-17	STM-17 990104	1
Applicator for SM-21	STM-21 990105	1
Applicator for SM-24	STM-24 990106	1



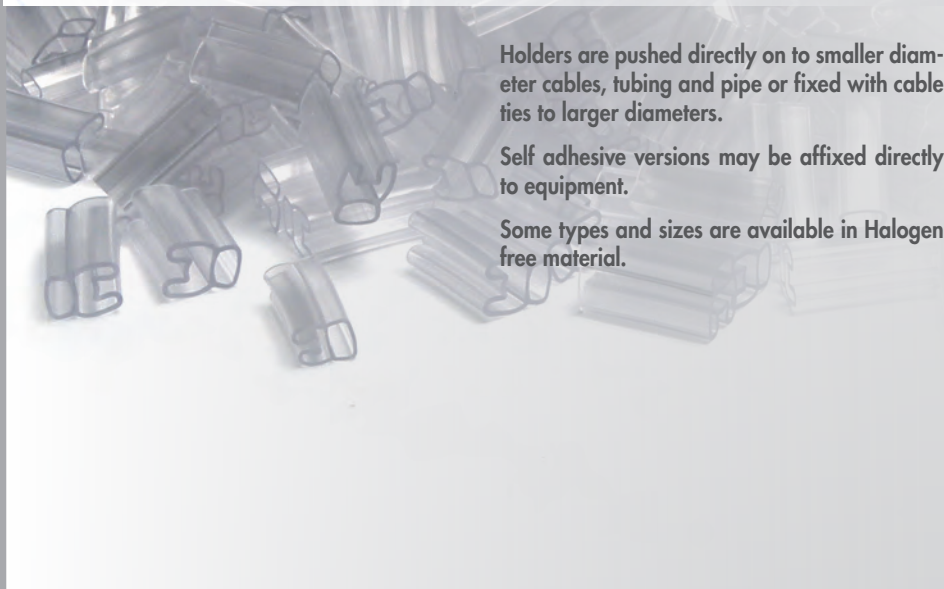


## MARKING SYSTEM ACCESSORIES

Choose from the following accessories to complete, enhance or protect the printed media.

- transparent holders for cable tags,
- push button legend bases to fit the leading brands,
- cable ties,
- legend mounting rail,
- marker plate and legend strip covers

## TRANSPARENT HOLDERS FOR CABLE TAGS



Holders are pushed directly on to smaller diameter cables, tubing and pipe or fixed with cable ties to larger diameters.

Self adhesive versions may be affixed directly to equipment.

Some types and sizes are available in Halogen free material.



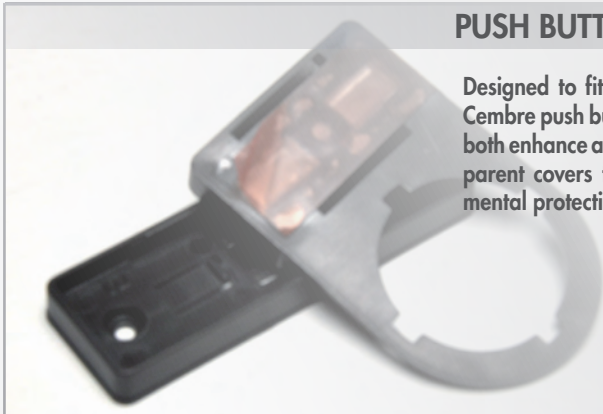
## CABLE TIES



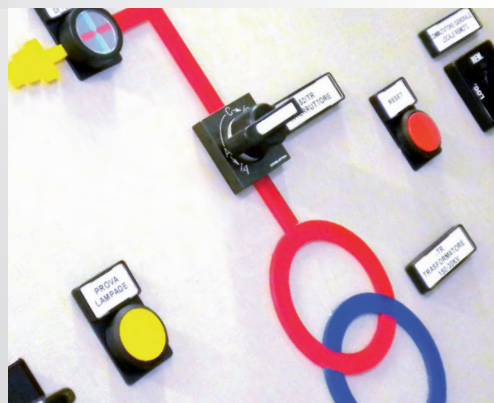
Tie-on cable markers, holders and dog tags are firmly fixed, with Cembre G range cable ties, to larger diameter cables & pipes and diverse valves, tappings, etc.



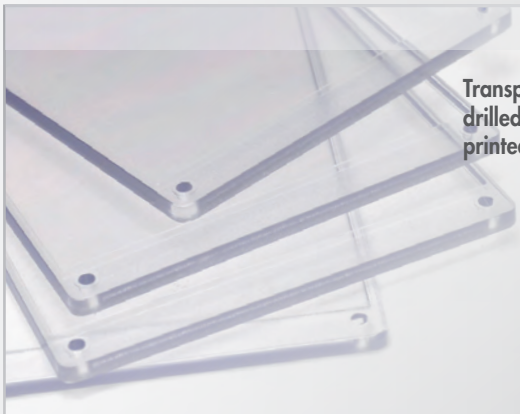
## PUSH BUTTON & LEGEND BASES



Designed to fit all major brands, quick-fitting Cembre push button bases with printed legends, both enhance aesthetic qualities and allow transparent covers to be used to increase environmental protection.



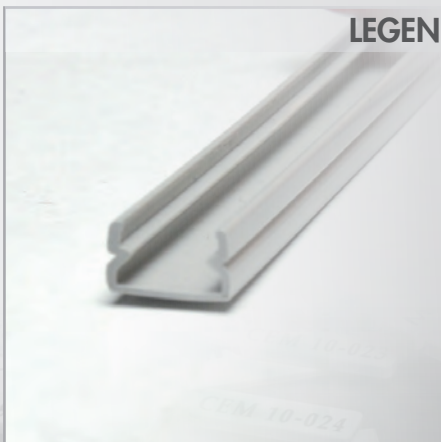
## MARKER PLATE COVERS



Transparent Polycarbonate covers with pre-drilled fixing holes add extra protection to printed panel plates in aggressive environments.



## LEGEND MOUNTING RAIL AND COVERS



9mm and 15mm high legends are easily and quickly slotted in to rails for the identification of banks of product.

Rails may be cut and either drilled or stuck to suitable surfaces while optional transparent covers increase environmental protection where appropriate.



# PMF

for **serie FLAT**

self extinguishing class  
 - 40°C  
 + 80°C  
 VO: UL 94  
 RoHS COMPLIANT 2011/65/EU

## TRANSPARENT HOLDERS

for serieFLAT cable tags 4 mm



**PMF-00**

Cable ext. Ø range 1,3 ÷ 2,2 mm (0.05 ÷ 0.08 in.)  
 Cable c.s.a range 0,25 ÷ 0,5 mm<sup>2</sup> (26 ÷ 20 AWG)

Length mm	Code	Quantity	MARKINGGenius®	ROLLY2000
10	90000	8.000	●	●
12	90010	7.000	●	●
15	90020	6.000	●	●
20	90040	4.000	●	●
30	90070	2.000	●	●
40	90090	5.000	●	●

self extinguishing class  
 HF  
 HB: UL 94  
 RoHS COMPLIANT 2011/65/EU

PMF holders are specifically designed to accommodate pairs of appropriately sized cables.

**Material-Standard:** plasticised PVC, self extinguishing to class VO: UL 94, free of Cadmium, Lead, Silicon and Teflon. Resistant to alkali, alcohol, acid and many solvents

⚡ Operating temperature range:

-40°C to +80°C  
 -40°F to +176°F

**Material-Halogen free:** Copolymer EVA, self extinguishing to class HB: UL 94



**PMF-01**

Cable ext. Ø range 2 ÷ 3,7 mm (0.07 ÷ 0.14 in.)  
 Cable c.s.a range 0,5 ÷ 2,5 mm<sup>2</sup> (20 ÷ 13 AWG)

10	90100	6.000	●	●
12	90110	5.000	●	●
15	90120	4.000	●	●
20	90140	3.000	●	●
30	90170	2.000	●	●
40	90190	1.000	●	●

self extinguishing class  
 HF  
 HB: UL 94  
 RoHS COMPLIANT 2011/65/EU

10	90100-HF	6.000	●	●
12	90110-HF	5.000	●	●
15	90120-HF	4.000	●	●
20	90140-HF	3.000	●	●



**PMF-02**

Cable ext. Ø range 3,4 ÷ 4,3 mm (0.13 ÷ 0.16 in.)  
 Cable c.s.a range 2,5 ÷ 4 mm<sup>2</sup> (13 ÷ 11 AWG)

10	90200	4.000	●	●
12	90210	4.000	●	●
15	90220	3.000	●	●
20	90240	2.000	●	●
30	90270	1.000	●	●
40	90290	1.000	●	●

self extinguishing class  
 HF  
 HB: UL 94  
 RoHS COMPLIANT 2011/65/EU

10	90200-HF	4.000	●	●
12	90210-HF	4.000	●	●
15	90220-HF	3.000	●	●
20	90240-HF	2.000	●	●

It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

Note: Use PMF holders only with designated cable tags of the same length.

use with

MG-TPMF cable tags, 4mm

page 10

TPM-ROLL cable tags, 4mm

52



self extinguishing class  
VO: UL 94

- 40°C  
+ 80°C

for serie **FLAT**

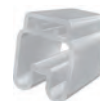
# PMF

## TRANSPARENT HOLDERS

for serieFLAT cable tags 4 mm

### PMF-03

Cable ext. Ø range 4 ÷ 6,3 mm (0.15 ÷ 0.24 in.)  
Cable c.s.a range 4 ÷ 10 mm<sup>2</sup> (11 ÷ 7 AWG)



Length mm	Code	Quantity	MARKINGenius®	ROLLY2000
10	90300	3.000	●	●
12	90310	2.000	●	●
15	90320	2.000	●	●
20	90340	1.000	●	●
30	90370	1.000	●	●
40	90390	1.000	●	●



self extinguishing class  
HB: UL 94

HF

10	90300-HF	3.000	●	●
12	90310-HF	2.000	●	●
15	90320-HF	2.000	●	●
20	90340-HF	1.000	●	●

### PMF-04

Cable ext. Ø range 6 ÷ 10 mm (0.23 ÷ 0.39 in.)  
Cable c.s.a range 10 ÷ 25 mm<sup>2</sup> (7 ÷ 3 AWG)



10	90400	2.000	●	●
12	90410	1.000	●	●
15	90420	1.000	●	●
20	90440	500	●	●
30	90470	500	●	●
40	90490	500	●	●

### PMF-05

Cable ext. Ø range 9 ÷ 15 mm (0.35 ÷ 0.59 in.)  
Cable c.s.a range 25 ÷ 70 mm<sup>2</sup> (3 ÷ 2/0 AWG)



10	90500	500	●	●
12	90510	500	●	●
15	90520	250	●	●
20	90540	250	●	●
30	90570	150	●	●
40	90590	100	●	●

### PMF-06

Cable ext. Ø range 14 ÷ 26 mm (0.55 ÷ 1.02 in.)  
Cable c.s.a range 70 ÷ 240 mm<sup>2</sup> (2/0 AWG ÷ 500 MCM)



10	90600	500	●	●
12	90610	250	●	●
15	90620	250	●	●
20	90640	100	●	●
30	90670	100	●	●
40	90690	100	●	●

use with

MG-TPMF cable tags, 4mm

page 10

TPM-ROLL cable tags, 4mm

52

It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

Note: Use PMF holders only with designated cable tags of the same length.



# PM



## TRANSPARENT HOLDERS

for cable tags 4 mm

PM holders are profiled to allow each type to accommodate a range of cable sizes.

**Material-Standard:** plasticised PVC, self extinguishing to class V0: UL 94, free of Cadmium, Lead, Silicon and Teflon. Resistant to alkali, alcohol, acid and many solvents

⚡: Operating temperature range:  
 - 40°C to + 80°C  
 - 40°F to + 176°F

**Material-Halogen free:**  
 Copolymer EVA,  
 self extinguishing to class HB: UL 94



**PM-00** Cable ext. Ø range 1,3 ÷ 2,2 mm (0.05 ÷ 0.08 in.)  
 Cable c.s.a range 0,25 ÷ 0,5 mm<sup>2</sup> (26 ÷ 20 AWG)

Length mm	Code	Quantity	MARKINGGenius®	RINGcablesys
10	50000	8.000	●	●
10	50002	2.000	●	●
12	50010	7.000	●	●
12	50012	2.000	●	●
15	50020	6.000	●	●
15	50022	2.000	●	●
18	50032	1.000	●	●
21	50042	1.000	●	●
23	50052	1.000	●	●
27	50062	1.000	●	●
30	50072	500	●	●
1.000	50080	10	●	●



10	50002-HF	2.000	●	●
12	50012-HF	2.000	●	●
15	50022-HF	2.000	●	●



**PM-01** Cable ext. Ø range 2 ÷ 3,7 mm (0.07 ÷ 0.14 in.)  
 Cable c.s.a range 0,5 ÷ 2,5 mm<sup>2</sup> (20 ÷ 13 AWG)

10	50100	6.000	●	●
10	50102	2.000	●	●
12	50110	5.000	●	●
12	50112	1.000	●	●
15	50120	4.000	●	●
15	50122	1.000	●	●
18	50130	3.000	●	●
21	50140	3.000	●	●
23	50150	2.000	●	●
27	50160	2.000	●	●
30	50170	1.000	●	●
1.000	50180	10	●	●



10	50102-HF	2.000	●	●
12	50112-HF	1.000	●	●
15	50122-HF	1.000	●	●

It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

Note: Use PM holders only with designated cable tags of the same length.

use with

MG-TPM tags 4mm	page 11
PMP-30 markers	78



## TRANSPARENT HOLDERS

for cable tags 4 mm



**PM-02** Cable ext. Ø range 3,5 ÷ 4,3 mm (0.13 ÷ 0.16 in.)  
Cable c.s.a range 2,5 ÷ 4 mm<sup>2</sup> (13 ÷ 11 AWG)

Length mm	Code	Quantity	MARKINGenius®	RINGcablesys
10	50200	4.000	●	●
10	50202	1.000	●	●
12	50210	4.000	●	●
12	50212	1.000	●	●
15	50220	3.000	●	●
15	50222	1.000	●	●
18	50230	2.000	●	●
21	50240	2.000	●	●
23	50250	2.000	●	●
27	50260	1.000	●	●
30	50270	1.000	●	●
1.000	50280	10	●	●

10	50202-HF	1.000	●	●
12	50212-HF	1.000	●	●
15	50222-HF	1.000	●	●



**PM-03** Cable ext. Ø range 4 ÷ 6,3 mm (0.15 ÷ 0.24 in.)  
Cable c.s.a range 4 ÷ 10 mm<sup>2</sup> (11 ÷ 7 AWG)

10	50300	3.000	●	●
10	50302	1.000	●	●
12	50310	2.000	●	●
12	50312	500	●	●
15	50320	2.000	●	●
15	50322	500	●	●
18	50330	1.000	●	●
21	50340	1.000	●	●
23	50350	1.000	●	●
27	50360	1.000	●	●
30	50370	500	●	●
1.000	50380	10	●	●

10	50302-HF	1.000	●	●
12	50312-HF	500	●	●
15	50322-HF	500	●	●

use with

MG-TPM tags 4mm	page 11
PMP-30 markers	78

It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

Note: Use PM holders only with designated cable tags of the same length.



## TRANSPARENT HOLDERS

for cable tags 4 mm



### PM-04 Cable ext. Ø range 6 ÷ 10 mm (0.23 ÷ 0.39 AWG) Cable c.s.a range 10 ÷ 25 mm<sup>2</sup> (7 ÷ 3 AWG)

Length mm	Code	Quantity	MARKINGenius®	RINGcablesys
10	50400	2.000	●	●
10	50402	500	●	●
12	50410	1.000	●	●
12	50411	500	●	●
15	50420	1.000	●	●
15	50421	500	●	●
18	50430	1.000	●	●
21	50440	500	●	●
23	50450	500	●	●
27	50460	500	●	●
30	50470	500	●	●
1.000	50480	10	●	●



### PM-05 Cable ext. Ø range 9 ÷ 15 mm (0.35 ÷ 0.59 AWG) Cable c.s.a range 25 ÷ 70 mm<sup>2</sup> (3 ÷ 2/0 AWG)

10	50500	500	●	●
12	50510	500	●	●
15	50521	250	●	●
18	50530	250	●	●
21	50540	250	●	●
23	50550	250	●	●
27	50560	250	●	●
30	50570	250	●	●
1.000	50580	10	●	●



### PM-06 Cable ext. Ø range 14 ÷ 26 mm (0.55 ÷ 1.02 AWG) Cable c.s.a range 70 ÷ 240 mm<sup>2</sup> (2/0 AWG ÷ 500 MCM)

10	50600	500	●	●
12	50610	250	●	●
15	50620	250	●	●
18	50630	250	●	●
21	50640	100	●	●
23	50650	100	●	●
27	50660	100	●	●
30	50670	100	●	●
1.000	50680	10	●	●

It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

Note: Use PM holders only with designated cable tags of the same length.

use with

MG-TPM tags 4mm

page 11

PMP-30 markers

78

## TRANSPARENT HOLDERS

light, for cable tags 4 mm

### PM-01L

**1** Cable ext. Ø range 2,1 ÷ 3,5 mm (0.08 ÷ 0.13 in.)  
Cable c.s.a range 0,5 ÷ 2,5 mm<sup>2</sup> (20 ÷ 13 AWG)

**2** Cables c.s.a range 0,25 ÷ 0,75 mm<sup>2</sup> (23 ÷ 18 AWG)

Length mm	Code	Quantity	MARKINGGenius®	RINGcablesys
10	10100	6.000	●	●
12	10110	5.000	●	●
15	10120	4.000	●	●
18	10130	3.000	●	●
21	10140	3.000	●	●
23	10150	2.000	●	●
27	10160	2.000	●	●
30	10170	1.000	●	●
1.000	10180	10	●	●

### PM-02L

**1** Cable ext. Ø range 2,6 ÷ 4,2 mm (0.10 ÷ 0.16 in.)  
Cable c.s.a range 1 ÷ 4 mm<sup>2</sup> (17 ÷ 11 AWG)

**2** Cables c.s.a range 0,5 ÷ 1 mm<sup>2</sup> (20 ÷ 17 AWG)

Length mm	Code	Quantity	MARKINGGenius®	RINGcablesys
10	10200	4.000	●	●
12	10210	4.000	●	●
15	10220	3.000	●	●
18	10230	2.000	●	●
21	10240	2.000	●	●
23	10250	2.000	●	●
27	10260	1.000	●	●
30	10270	1.000	●	●
1.000	10280	10	●	●

# PM-L



PM-\*L holders are thinner than PM versions and specifically designed to accommodate pairs of appropriately sized cables.

**Material:** plasticised PVC, self extinguishing to class V0: UL 94, free of Cadmium, Lead, Silicon and Teflon. Resistant to alkali, alcohol, acid and many solvents

† Operating temperature range:  
● -40°C to +80°C  
● -40°F to +176°F

use with

MG-TPM tags 4mm	page 11
PMP-30 markers	78

It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

Note: Use PM holders only with designated cable tags of the same length.



# PMF-AC

for serie **FLAT**

Application temperature  

 self extinguishing class  
 VO: UL 94

## TRANSPARENT HOLDERS

**SELF ADHESIVE**

for serie flat cable tags 4 mm

PMF-AC		Self adhesive for surface mounting			
Length mm	Code	Quantity	MARKINGGenius®	ROLLY2000	
10	66000N	5.000	●	●	
12	66010N	4.000	●	●	
15	66020N	4.000	●	●	
20	66040N	4.000	●	●	
30	66070N	2.000	●	●	
40	66090N	1.000	●	●	

**Material:** plasticised PVC, self extinguishing to class VO: UL 94, free of Cadmium, Lead, Silicon and Teflon. Resistant to alkali, alcohol, acid and many solvents

† Operating temperature range:  
 ● -40°C to +80°C  
 ● -40°F to +176°F

# PMF-ET

for serie **FLAT**

Application temperature  

 self extinguishing class  
 VO: UL 94

## TRANSPARENT HOLDERS

for serie flat cable tags 4 mm

PMF-ET		Tie-on (tie width max 6 mm) for longitudinal mounting on cables, hoses, tubes and conduit			
Length mm	Code	Application	Quantity	MARKINGGenius®	ROLLY2000
15	63020	one tie	2.000	●	●
20	63040	one tie	1.000	●	●
30	63070	one tie	1.000	●	●
40	63090	two ties	500	●	●

Purchase cable ties separately

**Material:** plasticised PVC, self extinguishing to class VO: UL 94, free of Cadmium, Lead, Silicon and Teflon. Resistant to alkali, alcohol, acid and many solvents

† Operating temperature range:  
 ● -40°C to +80°C  
 ● -40°F to +176°F



Consult us for holders in other lengths.

Note: Use PM holders only with designated cable tags of the same length.

use with

MG-TPMF flat tags 4mm	page 10
TPM-ROLL flat tags 4mm	52

# PM-AC

SELF ADHESIVE

## TRANSPARENT HOLDERS

for cable tags 4 mm



Self adhesive for surface mounting

Length mm	Code	Quantity	MARKINGenius®	RINGcablesys
10	51000N	5.000	●	●
12	51010N	4.000	●	●
15	51020N	4.000	●	●
18	51030N	3.000	●	●
21	51040N	2.000	●	●
23	51050N	2.000	●	●
27	51060N	2.000	●	●
30	51070N	2.000	●	●
1.000	51080N	10	●	●

**Material:** plasticised PVC, self extinguishing to class V0: UL 94, free of Cadmium, Lead, Silicon and Teflon. Resistant to alkali, alcohol, acid and many solvents

⚡ Operating temperature range:  
-40°C to +80°C  
-40°F to +176°F

## TRANSPARENT HOLDERS

for cable tags 4 mm



**PM-ET** Tie-on (tie width max 6 mm) for longitudinal mounting on cables, hoses, tubes and conduit

Length mm	Code	Application	Quantity	MARKINGenius®	RINGcablesys
12	53010	one tie	2.000	●	●
15	53020	one tie	2.000	●	●
18	53030	one tie	1.000	●	●
21	53040	one tie	1.000	●	●
23	53050	one tie	1.000	●	●
27	53060	one tie	1.000	●	●
30	53070	one tie	1.000	●	●
40	53090	two ties	500	●	●

Purchase cable ties separately



**PM-DT** Tie-on (tie width max 4 mm) for longitudinal mounting on cables, hoses, tubes and conduit

Length mm	Code	Quantity	MARKINGenius®	RINGcablesys
10	55000	7.000	●	●
12	55010	6.000	●	●
15	55020	5.000	●	●
18	55030	3.000	●	●
21	55040	3.000	●	●
23	55050	3.000	●	●
27	55060	2.000	●	●
30	55070	2.000	●	●
1000	55080	10	●	●

**Material:** plasticised PVC, self extinguishing to class V0: UL 94, free of Cadmium, Lead, Silicon and Teflon. Resistant to alkali, alcohol, acid and many solvents

⚡ Operating temperature range:  
-40°C to +80°C  
-40°F to +176°F



use with

MG-TPM tags 4mm	page	11
PMP-30 markers		78



# PMT-AC

Application temperature  

 self extinguishing class  
 V0: UL 94 

## TRANSPARENT HOLDERS

SELF ADHESIVE

for cable tags 15 mm



Self adhesive for surface mounting of 15 mm legends

**Material:** plasticised PVC, self extinguishing to class V0: UL 94, free of Cadmium, Lead, Silicon and Teflon. Resistant to alkali, alcohol, acid and many solvents

Operating temperature range:  
 -40°C to +80°C  
 -40°F to +176°F

Length mm	Code	Quantity	MARKINGGenius®
17	59002N	500	●
27	59010N	1.000	●
49	59020N	500	●
67	59030N	250	●
1.000	59060N	10	●

# PMT

Application temperature  

 self extinguishing class  
 V0: UL 94 

## TRANSPARENT HOLDERS

for cable tags 15 mm



**Material:** plasticised PVC, self extinguishing to class V0: UL 94, free of Cadmium, Lead, Silicon and Teflon. Resistant to alkali, alcohol, acid and many solvents

Operating temperature range:  
 -40°C to +80°C  
 -40°F to +176°F

**PMT-ET** Tie-on (tie width max 6 mm) for longitudinal mounting of 15 mm legends on cables, hoses, tubes and conduit

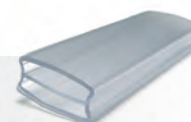
Length mm	Code	Application	Quantity	MARKINGGenius®
17	54000	one tie	500	●
27	54010	one tie	500	●
49	54020	one tie	250	●
67	54030	two ties	250	●

Purchase cable ties separately



**PMT-DT** Tie-on (tie width max 14,5 mm) for longitudinal mounting of 15 mm legends on cables, hoses, tubes and conduit

Length mm	Code	Quantity	MARKINGGenius®
17	60002	500	●
27	60012	500	●
49	60020	250	●
67	60030	500	●
1.000	60060	10	●



Consult us for holders in other lengths.

Note: Use holders only with designated cable tags of the same length.

use with

MG-TAP tags 15mm

page 22



self extinguishing class  
VO: UL 94

-40°C  
+80°C

Application temperature  
+10°C  
+40°C

SELF ADHESIVE

## TRANSPARENT HOLDERS

for cable tags 9 mm

Self adhesive for surface mounting of 9 mm legends

Length mm	Code	Quantity	MARKINGGenius®
20	59042N	500	●
35	59050N	500	●
1.000	59070N	10	●

# PMT-AC

**Material:** plasticised PVC, self extinguishing to class VO: UL 94, free of Cadmium, Lead, Silicon and Teflon. Resistant to alkali, alcohol, acid and many solvents

Operating temperature range:  
-40°C to +80°C  
-40°F to +176°F



self extinguishing class  
VO: UL 94

-40°C  
+90°C

Application temperature  
+10°C  
+40°C

## TRANSPARENT HOLDERS

for cable tags 9 mm

**PMT-ET** Tie-on (tie width max 6 mm) for longitudinal mounting of 9 mm legends on cables, hoses, tubes and conduit

Length mm	Code	Application	Quantity	MARKINGGenius®
20	54040	one tie	1.000	●
35	54050	two ties	500	●

Purchase cable ties separately

# PMT

**Material:** plasticised PVC, self extinguishing to class VO: UL 94, free of Cadmium, Lead, Silicon and Teflon. Resistant to alkali, alcohol, acid and many solvents

Operating temperature range:  
-40°C to +80°C  
-40°F to +176°F

**PMT-DT** Tie-on (tie width max 8,5 mm) for longitudinal mounting of 9 mm legends on cables, hoses, tubes and conduit

Length mm	Code	Application	Quantity	MARKINGGenius®
20	60042		500	●
35	60050		1.000	●
1.000	60070		10	●

**PMT-CT** Tie-on (tie width max 4,8 mm) for longitudinal mounting of 9 mm legends on cables, hoses, tubes and conduit

Length mm	Code	Application	Quantity	MARKINGGenius®
40	54015	9x20	500	●
55	54013	9x35	500	●
90	54014	9x70	250	●

see page 110 for cable ties



use with

MG-TAPW tags 9 mm	page 25
TAR-ROLL tags 9mm	53



# G Series



## CABLE TIES

Minimum order: 1.000 pcs.

Code ■ natural	Code ■ black	L (mm)	H (mm)	Max. Bundle Ø (mm)	Min. Loop Tensile Strength (kg)	Quantity
G80X2.4	G80X2.4N	80	2,4	15	8	100
G80X2.4/M	G80X2.4N/M	80	2,4	15	8	1.000
G90X2.4	G90X2.4N	90	2,4	16	8	100
G100X2.5	G100X2.5N	100	2,5	22	8	100
G100X2.5/M	G100X2.5N/M	100	2,5	22	8	1.000
G120X2.5	G120X2.5N	120	2,5	30	8	100
G140X2.5	G140X2.5N	140	2,5	33	8	100
G140X2.5/M	G140X2.5N/M	140	2,5	33	8	1.000
G160X2.5	G160X2.5N	160	2,5	40	8	100
G160X2.5/M	G160X2.5N/M	160	2,5	40	8	1.000
G200X2.5	G200X2.5N	200	2,5	53	8	100
G200X2.5/M	G200X2.5N/M	200	2,5	53	8	1.000
G250X2.8	G250X2.8N	250	2,8	65	14	100
G300X2.8	G300X2.8N	300	2,8	76	14	100
G120X3.6	G120X3.6N	120	3,6	30	18	100
G140X3.6	G140X3.6N	140	3,6	33	18	100
G140X3.6/M	G140X3.6N/M	140	3,6	33	18	1.000
G150X3.6	G150X3.6N	150	3,6	35	18	100
G180X3.6	G180X3.6N	180	3,6	44	18	100
G200X3.6	G200X3.6N	200	3,6	53	18	100
G200X3.6/M	G200X3.6N/M	200	3,6	53	18	1.000
G250X3.6	G250X3.6N	250	3,6	65	18	100
G300X3.6	G300X3.6N	300	3,6	76	18	100
G300X3.6/M	G300X3.6N/M	300	3,6	76	18	1.000
G370X3.6	G370X3.6N	370	3,6	102	18	100
G120X4.8	G120X4.8N	120	4,8	24	22	100
G160X4.8	G160X4.8N	160	4,8	38	22	100
G190X4.8	G190X4.8N	190	4,8	46	22	100
G190X4.8/M	G190X4.8N/M	190	4,8	46	22	1.000
G200X4.8	G200X4.8N	200	4,8	50	22	100
G200X4.8/M	G200X4.8N/M	200	4,8	50	22	1.000
G250X4.8/M	G250X4.8N/M	250	4,8	60	22	1.000

Ideal for securing tie-on tags, labels and holders to electrical wiring, pipes and conduit.

Black ties have a higher UV resistance due to increased Carbon black loading.

G series ties offer rapid installation due to the low friction coefficient of the material and have an angled tongue to facilitate easy introduction into the buckle. Rounded corners for increased safety.

**Material:** PA6.6 Polyamide,  
self extinguishing to class V2: UL 94  
Humidity absorption: 2.5%  
(at 50% relative humidity)

Resistant to oils, bases, greases,  
oil products, chlorinated solvents.

†: Operating temperature range  
-40°C to +85°C (continuous)  
-40°F to +185°F

-40°C to +120°C (short periods)  
-40°F to +248°F

### use with

MG-ETF cable&conduit tags	page 14
MG-DOG dog tags	27
ETF-ROLL cable&conduit tags	54
MS-ETF cable & conduit tags	84
PMF-ET legend holders	106
PM-ET legend holders	107
PM-DT legend holders	107
PMT-ET, PMT-DT legend holders	108
PMT-ET, PMT-DT legend holders	109
PMT-CT legend holders	109

check max tie width (dimension H) for the tag or holder used





self extinguishing class  
V2: UL 94

continuous  
-40°C  
+85°C

short periods  
-40°C  
+120°C

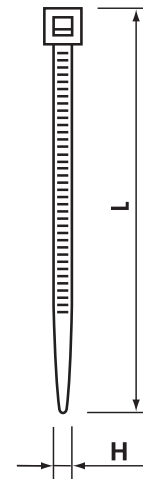


## CABLE TIES

# G Series

Minimum order: 100 pcs.

Code □ natural	Code ■ black	L (mm)	H (mm)	Max. Bundle Ø (mm)	Min. Loop Tensile Strength (kg)	Quantity
G250X4.8	G250X4.8N	250	4,8	60	22	100
G280X4.8	G280X4.8N	280	4,8	70	22	100
G300X4.8	G300X4.8N	300	4,8	76	22	100
G370X4.8	G370X4.8N	370	4,8	102	22	100
G390X4.8	G390X4.8N	390	4,8	105	22	100
G430X4.8	G430X4.8N	430	4,8	110	22	100
G450X4.8	G450X4.8N	450	4,8	116	22	100
G530X4.8	G530X4.8N	530	4,8	140	22	100
G150X7.6	G150X7.6N	150	7,6	33	55	100
G200X7.6	G200X7.6N	200	7,6	50	55	100
G250X7.6	G250X7.6N	250	7,6	65	55	100
G300X7.6	G300X7.6N	300	7,6	76	55	100
G370X7.6	G370X7.6N	370	7,6	102	55	100
G430X7.6	G430X7.6N	430	7,6	125	55	100
G530X7.6	G530X7.6N	530	7,6	140	55	100
G430X9.0	G430X9.0N	430	9,0	110	80	100
G530X9.0	G530X9.0N	530	9,0	140	80	100
G710X9.0	G710X9.0N	710	9,0	190	80	100
G780X9.0	G780X9.0N	780	9,0	228	80	100
G830X9.0	G830X9.0N	830	9,0	239	80	100
G920X9.0	G920X9.0N	920	9,0	263	80	100
G1020X9.0	G1020X9.0N	1020	9,0	295	80	100
G1220X9.0	G1220X9.0N	1220	9,0	365	80	100
G230X12.6	G230X12.6N	230	12,6	50	115	100
G380X12.6	G380X12.6N	380	12,6	106	115	100
G480X12.6	G480X12.6N	480	12,6	120	115	100
G580X12.6	G580X12.6N	580	12,6	152	115	100
G730X12.6	G730X12.6N	730	12,6	204	115	100
G880X12.6	G880X12.6N	880	12,6	248	115	100
G1030X12.6	G1030X12.6N	1030	12,6	295	115	100



### use with

MG-ETF cable&conduit tags	page	14
MG-DOG dog tags		27
ETF-ROLL cable&conduit tags		54
MS-ETF dog tags		84
PMF-ET legend holders		106
PM-ET legend holders		107
PM-DT legend holders		107
PMT-ET, PMT-DT legend holders		108
PMT-ET, PMT-DT legend holders		109
PMT-CT legend holders		109

check max tie width (dimension H) for the tag or holder used



# G VO Series



## CABLE TIES

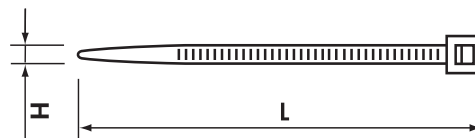


**Material:** PA6.6 Polyamide,  
self extinguishing to class V0: UL 94  
Humidity absorption:  
2.5% (at 50% relative humidity)  
Resistant to oils, bases, greases,  
oil products, chlorinated solvents.

Temperature range  
 -40°C to +85°C (continuous)  
 -40°F to +185°F

-40°C to +120°C (short periods)  
 -40°F to +248°F

Colour	Code	L (mm)	H (mm)	Max. Bundle Ø (mm)	Min. Loop Tensile Strength (kg)	Quantity	Minimum Qty
natural	<b>G90X2.4 V0</b>	90	2,4	16	8	100	
	<b>G100X2.5/M V0</b>	100	2,5	22	8	1.000	
	<b>G140X2.5/M V0</b>	140	2,5	33	8	1.000	
	<b>G200X2.5/M V0</b>	200	2,5	53	8	1.000	1.000
	<b>G150X3.6 V0</b>	150	3,6	35	18	100	
	<b>G200X4.8/M V0</b>	200	4,8	50	22	1.000	
	<b>G370X4.8 V0</b>	370	4,8	102	22	100	
	<b>G430X4.8 V0</b>	430	4,8	110	22	100	100
	<b>G710X9.0 V0</b>	710	9,0	190	80	100	



### use with

MG-ETF cable&conduit tags	page 14
MG-DOG dog tags	27
ETF-ROLL cable&conduit tags	54
MS-ETF dog tags	84
PMF-ET legend holders	106
PM-ET legend holders	107
PM-DT legend holders	107
PMT-ET, PMT-DT legend holders	108
PMT-ET, PMT-DT legend holders	109
PMT-CT legend holders	109

check max tie width (dimension H) for the tag or holder used



self extinguishing class  
V2: UL 94

continuous  
-40°C  
+85°C

short periods  
-40°C  
+120°C

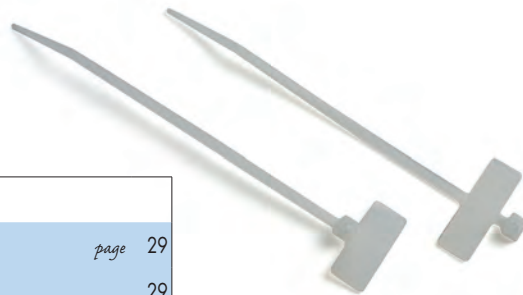
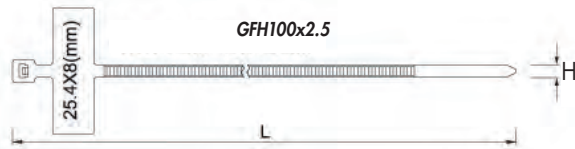


## CABLE TIES

# GFH Series



Colour	Code	L (mm)	H (mm)	Max. Bundle Ø (mm)	Min. Loop Tensile Strength (kg)	Quantity
□ natural	<b>GFH100X2.5</b>	100	2,5	18	8,1	100
	<b>GFHT112X2.5</b>	112	2,5	18	8,1	100



### use with

Directly on suitable surface		
MG-VYT 8x21 mm	page	29
MG-VYT 9x20 mm		29

Same features as G series.

Quick and easy identification of bundled conductors.

Write on panel, use marker pen (see page 70).

May also be marked with MG-VYT adhesive PVC film labels.

**Material:** PA6.6 Polyamide,  
self extinguishing to class V2: UL 94

Humidity absorption:

2.5% (at 50% relative humidity)

Resistant to oils, bases, greases, oil products, chlorinated solvents.

⚡ Temperature range  
-40°C to +85°C (continuous)  
-40°F to +185°F

-40°C to +120°C (short periods)  
-40°F to +248°F

# TOOLS

## INSTALLATION TOOLS

for Plastic cable ties

Code		Length mm	Weight kg	Cable tie width mm	Quantity
5313022048	Automatic cutting	165	0,2	2.2 to 4.8	1
5523036090	Manual cutting	195	0,3	4.8 to 9	1

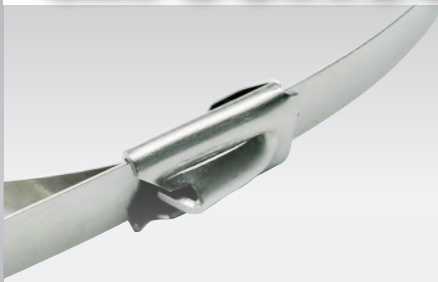


# GX Series



## CABLE TIES

in Stainless Steel AISI 304



**Material:** Stainless Steel AISI 304

Unique ball locking mechanism that allows simple and rapid installation and secure locking.

High tensile strength.

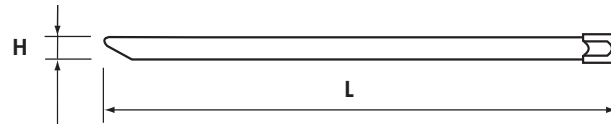
Non-flammability.

High resistance to acetic acid, alkalis, sulphuric acid, corrosion, etc.

In general very resistant to most hostile environments.

†: Operating temperature range  
- 80°C to + 500°C

Code	L (mm)	H (mm)	Max. Bundle Ø (mm)	Min. Loop Tensile Strength (kg)	Quantity
GX200X4.5	200	4,5	50	46	100
GX300X4.5	300	4,5	76	46	100
GX370X4.5	370	4,5	102	46	100
GX520X4.5	520	4,5	156	46	100
GX370X7.9	370	7,9	102	114	100
GX680X7.9	680	7,9	207	114	100
GX1020X7.9	1020	7,9	312	114	100



Installation tool  
for Stainless Steel  
cable ties  
Type 5527030079

Width up to 7,9 mm  
With cutting device  
Weight: 0,56 kg  
Length: 180 mm



use with

Aluminium plates GMC-AL

page 63

check max tie width (dimension H) for the tag or holder used



self extinguishing class  
VO: UL 94

continuous  
-40°C  
+115°C

short periods  
-40°C  
+130°C

## PUSH BUTTON LEGEND BASES

for Ø 22,5mm manual operators



### PTPS-22 Size 48x30 mm with locators, rivet fixing

Colour	Code	Quantity	MARKINGenius®
■ black	34002	100	●
■ grey RAL 7036	34092	100	●
■ grey RAL 7032	34082	100	●



### PTPS-24 Size 48x30 mm for Telemecanique, rivet fixing

■ black	68002	100	●
---------	-------	-----	---



### PTPO-22 Size 48x30 mm without locators, rivet fixing

■ black	34802	100	●
---------	-------	-----	---



### PTPR-22 Size 48x30 mm with locators, rounded, rivet fixing

■ black	34102	100	●
■ grey RAL 7036	34192	100	●
■ grey RAL 7032	34182	100	●



### PTPSA-22 Size 48x30 mm with locators, self adhesive

SELF ADHESIVE

■ black	34602	100	●
■ grey RAL 7036	34692	100	●
■ grey RAL 7032	34682	100	●



### PTPSA-24 Size 48x30 mm for Telemecanique, self adhesive

■ black	68602	100	●
---------	-------	-----	---



### PTPOA-22 Size 48x30 mm without locators, self adhesive

■ black	34902	100	●
---------	-------	-----	---



### PTPRA-22 Size 48x30 mm with locators, rounded, self adhesive

■ black	34702	100	●
■ grey RAL 7036	34792	100	●
■ grey RAL 7032	34782	100	●

use with

MG-TAP legends, 15x27 mm	page 22
MG-TAP-CCS covers	23
TAP-CCS cover	117



Ø 22.5mm push button legend bases to fit a wide range of popular brands.

Type PTPO without locators may offer a higher level of ingress protection depending upon installation method.

All types have a hole behind the legend for rivet fixing, while PTP...A types are adhesive backed.

All types suit MG-TAP 15x27 mm legends and can be fitted with a transparent legend cover TAP-CCS 990521 or MG-TAP-CCS 990510

**Material:** Polycarbonate, self extinguishing to class VO: UL 94

⚡ Operating temperature range  
-40°C to +115°C (continuous)  
-40°F to +239°F

-40°C to +130°C (short periods)  
-40°F to +266°F



# PL

short periods -40°C to +130°C  
 continuous -40°C to +115°C  
 self extinguishing class V0: UL 94  
 RoHS COMPLIANT 2011/65/EC

## LEGEND BASES

for general purpose applications



### PLR Rivet fixing rectangular legend base

Colour	Size mm	Code	Hole spacing mm	For MG-TAP size mm	Quantity	MARKINGGenius®
■ black	17x20	<b>34202</b>		15x17	100	●
	17x30	<b>34302</b>		15x27	100	●
	17x52	<b>*34402</b>	41	15x49	100	●
	17x70	<b>*34502</b>	51	15x67	100	●
■ grey RAL 7036	17x20	<b>34292</b>		15x17	100	●
	17x30	<b>34392</b>		15x27	100	●
	17x52	<b>*34492</b>	41	15x49	100	●
	17x70	<b>*34592</b>	51	15x67	100	●
■ grey RAL 7032	17x20	<b>34282</b>		15x17	100	●
	17x30	<b>34382</b>		15x27	100	●
	17x52	<b>*34482</b>	41	15x49	100	●
	17x70	<b>*34582</b>	51	15x67	100	●

PLR legend bases may be fixed to flat surfaces by rivet or in some sizes, by cable tie to tubes, conduits, etc.

PLA versions are self adhesive. TAP-CCS transparent covers may be fitted to protect the legends.

**Material:** Polycarbonate, self extinguishing to class V0: UL 94

Operating temperature range  
 -40°C to +115°C (continuous)  
 -40°F to +239°F

-40°C to +130°C (short periods)  
 -40°F to +266°F

SELF ADHESIVE

### PLA Self adhesive rectangular legend base

Colour	Size mm	Code	Hole spacing mm	For MG-TAP size mm	Quantity	MARKINGGenius®
■ black	17x20	<b>35002N</b>		15x17	100	●
	17x30	<b>35102N</b>		15x27	100	●
	17x52	<b>*35202N</b>	41	15x49	100	●
	17x70	<b>*35302N</b>	51	15x67	100	●
■ grey RAL 7036	17x20	<b>35092N</b>		15x17	100	●
	17x30	<b>35192N</b>		15x27	100	●
	17x52	<b>*35292N</b>	41	15x49	100	●
	17x70	<b>*35392N</b>	51	15x67	100	●
■ grey RAL 7032	17x20	<b>35082N</b>		15x17	100	●
	17x30	<b>35182N</b>		15x27	100	●
	17x52	<b>*35282N</b>	41	15x49	100	●
	17x70	<b>*35382N</b>	51	15x67	100	●

\*Purchase cable ties separately



use with

MG-TAP legends, 15mm

page 22

TAP-CCS cover

117



self extinguishing class  
V0: UL 94

continuous  
-40°C  
+115°C

short periods  
-40°C  
+130°C

## TRANSPARENT COVERS

Size mm	Code	Quantity	MARKINGGenius®
15x17	990520	540	•
15x27	990521	360	•
15x49	990522	180	•
15x67	990523	90	•

### use with

PTP push button legend bases	page 115
PL legend bases	116
RT legend rails	118



self extinguishing class  
V0: UL 94

continuous  
-40°C  
+115°C

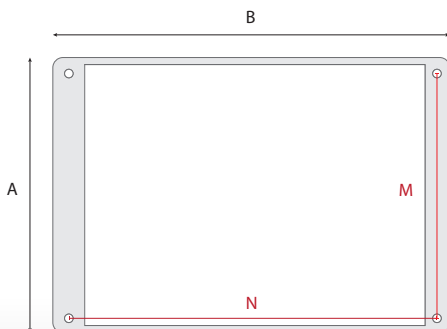
short periods  
-40°C  
+130°C

## TRANSPARENT COVERS

for marker plates and legend bases

Holes Ø 3 mm, cover thickness 4,2 mm

Size AxB mm	Code	Holes spacing mm		For MG-VRT size mm	Quantity	MARKINGGenius®
		M	N			
37x79	47590	27	69	32x58	10	•
47x98	47591	37	89	42x78	10	•
57x127	47592	47	117	52x107	10	•
67x109	47594	57	99	62x88	10	•
97x140	47593	87	129	92x120	10	•
108x160	47595	97	149	102x138	10	•



### use with

MG-VRT panel plates	page 38
MG2-VRT panel plates	38

# TAP-CCS



**Material:** Polycarbonate,  
self extinguishing to class V0: UL 94

⚡ Operating temperature range  
-40°C to +115°C (continuous)  
-40°F to +239°F

-40°C to +130°C (short periods)  
-40°F to +266°F

# CPT



**Material:** Polycarbonate,  
self extinguishing to class V0: UL 94

⚡ Operating temperature range  
-40°C to +115°C (continuous)  
-40°F to +239°F

-40°C to +130°C (short periods)  
-40°F to +266°F



# RT-TAP

Application temperature  
+ 10°C  
+ 40°C

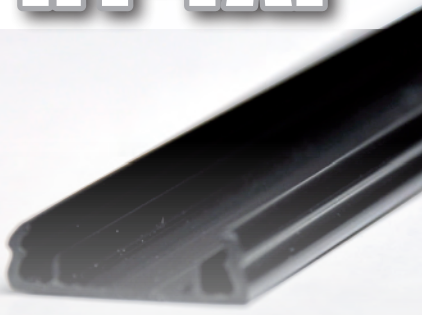
Non-deformable  
+ 90°C

self extinguishing class  
VO: UL 94

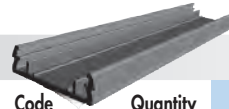
RoHS  
COMPLIANT  
2011/65/EC

## LEGEND RAIL & PROTECTIVE COVERS

for 15 mm legends



### RTR-TAP Pre-drilled rail



Colour	Length mm	Code	Quantity	MARKINGenius®	ROLLY2000
■ black	430	990454	25	●	●
	650	990664	25	●	●
	1.000	990524	25	●	●
□ grey	430	990452	25	●	●
	650	990662	25	●	●
	1.000	990502	25	●	●

Legend rails provide an alternative to direct marking on components.

**Material:** Rigid dielectric high-impact PVC.  
Lead-free, self extinguishing to class VO: UL 94, resistant to acid, alcohol, solvents.  
Non-deformable up to 90°C (194°F)

⚡ Application temperature  
● + 10°C to + 40°C  
● + 50°F to + 104°F

### RTA-TAP Self adhesive rail

SELF ADHESIVE

■ black	430	990455N	25	●	●
	650	990665N	25	●	●
	1.000	990525N	25	●	●
□ grey	430	990453N	25	●	●
	650	990663N	25	●	●
	1.000	990503N	25	●	●

### RT-CCP Protective cover

□ transparent	430	990456	25	●	●
	650	990666	25	●	●
	1.000	990504	25	●	●

### RT-CCPS Protective strip

□ transparent	430	990457	25	●	●
	650	990667	25	●	●
	1.000	990735	25	●	●

use with

MG-TAP legends, 15 mm	page 22
MG-17.5-R modular legends	34
STRIP-ROLL-R modular legend strips	57



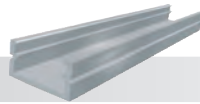


self extinguishing class  
VO: UL 94

Non-deformable  
+ 90°C

Application temperature  
+ 10°C  
+ 40°C

## LEGEND RAIL & PROTECTIVE COVERS



for 9 mm legends

### RTR-TAPW Pre-drilled rail

Colour	Length mm	Code	Quantity	MARKINGenius®	ROLLY2000
■ black	430	990654	25	●	●
	650	990794	25	●	●
	1.000	990526	25	●	●
□ grey	430	990652	25	●	●
	650	990792	25	●	●
	1.000	990505	25	●	●

### RTA-TAPW Self adhesive rail

SELF-ADHESIVE

■ black	430	990655N	25	●	●
	650	990795N	25	●	●
	1.000	990527N	25	●	●
□ grey	430	990653N	25	●	●
	650	990793N	25	●	●
	1.000	990506N	25	●	●

### RT-CCW Protective cover

□ transparent	430	990656	25	●	●
	650	990796	25	●	●
	1.000	990507	25	●	●

### RT-CCWS Protective strip

□ transparent	430	990657	25	●	●
	650	990797	25	●	●
	1.000	990734	25	●	●

Legend rails provide an alternative to direct marking on components.

**Material:** Rigid dielectric high-impact PVC.

Lead-free, self extinguishing according to class VO: UL 94, resistant to acid, alcohol, solvents.

Non-deformable up to 90°C (194°F)

Application temperature  
+ 10°C to + 40°C  
+ 50°F to + 104°F

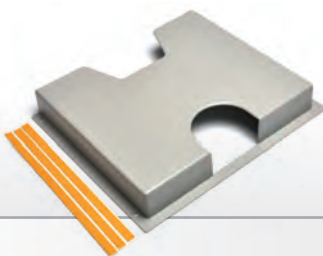
### use with

MG-TAPW legends, 9 mm	page 25
TAR-ROLL modular legend strips	53

## DOCUMENT HOLDER

adhesive and rivet fixing

Size AxL mm	Depth mm	Code	Quantity
193x175	20	420180	5
235x280	40	420280	5



# TPD

TPD document holder provides a convenient means of filing wiring schemes, operating manuals, etc in electrical panels or equipment.

**Material:** Anti shock Polystyrene








SIGNstick-onsys: a wide range of self adhesive signs, in various types and formats, for comprehensive signing of all potentially hazardous situations in factories, workshops and industrial premises.

## SIGNS



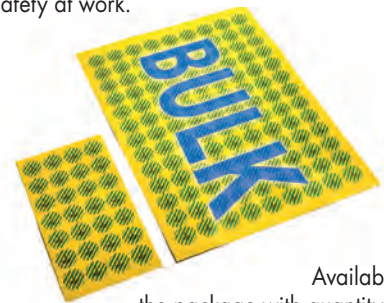
Consult Cembre for customised signs

### SYMBOL SHAPE INDICATES MEANING

-  **TRIANGLE**  
warning, attention
-  **CIRCLE**  
prohibition, mandatory
-  **SQUARE**  
information and supplementary

### CONFORMITY WITH STANDARDS

The progressive integration of norms means that marking and signage elements must become uniform, to guarantee the greatest possible effectiveness wherever they are affixed or used. SIGNstick onsys signs conform to EN, IEC and DIN standards and EEC directives on health and safety at work.



Available also the package with quantity BULK

### SIGNS WITH TEXT

Consist of WS, PS or MS symbols supplemented by information in text form, or text only signs which can be used in combination with symbol only signs.

Available in different graphic modes and formats, for marking equipment, machinery and installations in a detailed and efficient way.

Texts can be supplied in different languages: English (-GB), French (-F), German (-D), Spanish (-E) and other.

Example:



### MATERIAL: PVC FILM

Soft PVC film VY278, thickness approximately 0,1 mm. Resistant to water, oil, grease, alcohol, detergent, alkaline substances and atmospheric agents.

Low flammability, self extinguishing.

Operating temperature range:  
-30°C to +70°C (-22°F to +158°F).

Withstands temperatures up to 120°C for short periods. High resistance to UV radiation. Recommended for application to equipment for internal or external use, but not directly exposed to atmospheric agents.

If exposed to atmospheric agents, the life of the label may be limited to five years.

Polycarbonate versions have corrugated protection which resists abrasion and scratching.

## WS



Triangular symbol with black border and pictogram on yellow background.

Used to indicate situations where care and attention are required.

## PS



Circular symbol with red border and bar, black pictogram on white background.

Used to prohibit specific acts that could be dangerous.

## MS



Circular symbol with white border and pictogram on blue background.

Used to indicate that specific behaviour or actions are mandatory, and to instruct operators to wear personal safety equipment.



Circular shape for electrical installations, used to identify cables and connections.


They also show that installations and equipment meet specific safety standards.

## CS


## WARNING SIGNS

PVC film, on sheet, relevant standard ISO 3864-2

### WS-AD Generic hazard

	Size mm	Labels per sheet	Code	Quantity
	12,5	64	64	200000
323		323	200000-BULK	1.615
25	24	24	200001	240
	120	120	200001-BULK	1.200
50	10	10	200002	50
	30	30	200002-BULK	900
	2	2	200003	10
100	6	6	200003-BULK	300


### WST-TSW Appendix size: 15x50 mm

DANGER!				
	50	5	0400-AD035-GB	25


### WST-LAY


WARNING! DANGER				
	37x74	3	2653-AD035-GB	15
	65x131	1	2655-AD035-GB	10


### WS-HT Electrical hazard

	Size mm	Labels per sheet	Code	Quantity
	12,5	64	64	200100
323		323	200100-BULK	1.615
25	24	24	200101	240
	120	120	200101-BULK	1.200
50	10	10	200102	50
	30	30	200102-BULK	900
100	2	2	200103	10
	6	6	200103-BULK	450

### WST-TSW Appendix size: 15x50 mm

	50	5	0400-HT008	25
	25	25	0400-HT008-BULK	750

	50	5	0400-HT012	25
	25	25	0400-HT012-BULK	750

	50	5	0400-HT015	25
	25	25	0400-HT015-BULK	750

### High voltage

	50	5	0400-HT024-GB	25
---	----	---	---------------	----

### Electrical discharges

	50	5	0400-HT056-GB	25
---	----	---	---------------	----

### DANGER!


	50	5	0400-HT066-GB	25
---	----	---	---------------	----

### WS-HT Electrical hazard


	Size mm	Labels per sheet	Code	Quantity
---	---------	------------------	------	----------

### WST-LAY


#### WARNING! High voltage

	37x74	3	2653-HT024-GB	15
	65x131	1	2655-HT024-GB	10



#### WARNING! Equipment remains live even when switched off

	37x74	3	2653-HT039-GB	15
	65x131	1	2655-HT039-GB	10


#### WARNING! Always live

	37x74	3	2653-HT051-GB	15
	65x131	1	2655-HT051-GB	10


#### WARNING! Switch power off before opening the door

	37x74	3	2653-HT052-GB	15
	65x131	34	2653-HT052--GB-BULK	1.020
	65x131	1	2655-HT052-GB	10


#### WARNING! Electrical discharges

	37x74	3	2653-HT056-GB	15
	65x131	1	2655-HT056-GB	10


#### WARNING! Equipment remains live even when door is open

	37x74	3	2653-HT061-GB	15
	65x131	1	2655-HT061-GB	10


#### WARNING! Switch off power before removing cover

	37x74	3	2653-HT072-GB	15
	65x131	1	2655-HT072-GB	10


#### WARNING! Switch off power before removing the guard



	37x74	3	2653-HT081-GB	15
	65x131	1	2655-HT081-GB	10


### WS-HTPT Electrical hazard



	Size mm	Labels per sheet	Code	Quantity
	37x18	7	7	204000
60		60	204000-BULK	1.080
52x26	5	5	204001	25
	27	27	204001-BULK	810
74x37	3	3	204002	15
	12	12	204002-BULK	1.020
105x52	1	1	204003	10
	6	6	204003-BULK	300

### WST-HTPT

	52x26	5	204101-HT012	25
	27	27	204101-HT012-BULK	810

	74x37	3	204102-HT012	15
	12	12	204102-HT012-BULK	1.020
	105x52	1	204103-HT012	10
	6	6	204103-HT012-BULK	300

	52x26	5	204101-HT015	25
	27	27	204101-HT015-BULK	810

	74x37	3	204102-HT015	15
	12	12	204102-HT015-BULK	1.020
	105x52	1	204103-HT015	10
	6	6	204103-HT015-BULK	300




## WARNING SIGNS

PVC film, on sheet, relevant standard ISO 3864-2

### WS-BA Batteries

	Size mm	Labels per sheet	Code	Quantity
	25	24	<b>200201</b>	240
50	10	<b>200202</b>	50	


### WST-LAY

Dangerous acids				
	37x74	3	<b>2453-BA004-GB</b>	15
	65x131	1	<b>2455-BA004-GB</b>	10


### WS-EX Explosive atmosphere

	Size mm	Labels per sheet	Code	Quantity
	25	24	<b>200301</b>	240
50	10	<b>200302</b>	50	


### WST-LSY

Explosive atmosphere				
	37x74	3	<b>2453-EX001-GB</b>	15
	65x131	1	<b>2455-EX001-GB</b>	10


### WS-HS High temperature

	Size mm	Labels per sheet	Code	Quantity
	12,5	64	<b>201200</b>	320
323		<b>201200-BULK</b>	1.615	
25	24	<b>201201</b>	240	
	120	<b>201201-BULK</b>	1.200	
50	10	<b>201202</b>	50	
	30	<b>201202-BULK</b>	900	
	2	<b>201203</b>	10	
100	6	<b>201203-BULK</b>	450	


### WST-TSW

Appendix size: 15x50 mm				
High temperature				
	50	5	<b>0400-HS001-GB</b>	25


### WST-LSY

High temperature				
	37x74	3	<b>2453-HS001-GB</b>	15
	65x131	1	<b>2455-HS001-GB</b>	10


### WS-MO Moving mechanical components

	Size mm	Labels per sheet	Code	Quantity
	25	24	<b>202501</b>	240
	50	10	<b>202502</b>	50
100	2	<b>202503</b>	10	


### WS-CH Danger to hands

	Size mm	Labels per sheet	Code	Quantity
	12,5	64	<b>202800</b>	320
323		<b>202800-BULK</b>	1.615	
25	24	<b>202801</b>	240	
	120	<b>202801-BULK</b>	1.200	
50	10	<b>202802</b>	50	
	30	<b>202802-BULK</b>	900	
	2	<b>202803</b>	10	
100	6	<b>202803-BULK</b>	450	


### WST-TSW

Appendix size: 15x50 mm				
Danger to hands				
	50	5	<b>0400-CH001-GB</b>	25


### WS-LB Laser

	Size mm	Labels per sheet	Code	Quantity
	12,5	64	<b>203900</b>	320
323		<b>203900-BULK</b>	1.615	
25	24	<b>203901</b>	240	
	120	<b>203901-BULK</b>	1.200	
50	10	<b>203902</b>	50	
	30	<b>203902-BULK</b>	900	
100	2	<b>203903</b>	10	
	6	<b>203903-BULK</b>	450	


### WS-LD Danger of death

	Size mm	Labels per sheet	Code	Quantity
	50	10	<b>200402</b>	50
100	2	<b>200403</b>	10	


### WS-HM Toxic, harmful or irritant substances

	Size mm	Labels per sheet	Code	Quantity
	50	10	<b>200602</b>	50
100	2	<b>200603</b>	10	


### WS-FM Flammable materials

	Size mm	Labels per sheet	Code	Quantity
	50	10	<b>200802</b>	50
100	2	<b>200803</b>	10	

### WS-DD Danger of death

	Size mm	Labels per sheet	Code	Quantity
	50	10	<b>204702</b>	50
100	2	<b>204703</b>	10	

### WSE Emergency - STOP

	Size mm	Labels per sheet	Code	Quantity	
	60	1	<b>204500</b>	10	
	60	1	<b>204500-GB</b>	10	
	60	1	<b>204500-D</b>	10	
	60	1	<b>204500-E</b>	10	
	60	1	<b>204500-F</b>	10	
	80	1	<b>204501</b>	10	
	rigid PVC, no adhesive				
	60	1	<b>204500VR</b>	10	
	60	1	<b>204500VR-GB</b>	10	
60	1	<b>204500VR-E</b>	10		

## LABELS FOR SOLAR POWER INSTALLATIONS

PVC film, on sheet

### WS-HT Electrical hazard

Size mm	Labels per sheet	Code	Quantity
---------	------------------	------	----------

#### WST-PSY

PV ARRAY MODULE DANGER contains live parts during daylight



80x50

3460-PV009-GB

90

INVERTER Isolate AC and DC before carrying out work



80x50

3460-HT129-GB

90

PV ARRAY DC JUNCTION BOX DANGER contains live parts during daylight

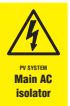


80x50

3460-PV010-GB

90

PV SYSTEM Main AC isolator



80x50

3460-PV011-GB

90

DO NOT disconnect DC plugs and sockets under load Turn off AC supply first



80x50

3460-HT130-GB

90

DC CABLE DANGER High Voltage



80x50

3460-HT131-GB

90

PV ARRAY DC ISOLATOR DANGER contains live parts during daylight



80x50

3460-PV012-GB

90

PV ARRAY MODULE DANGER contains live parts during daylight



80x50

3460-PV013-GB

90

### VS-I 120 Electrical hazard

40x100

2612000-GB

120

<p><b>WARNING</b> Dual supply</p>		<p>Do not work on this equipment until it is isolated from both mains and on-site generation supplies</p>



## PROHIBITION SIGNS

PVC film, on sheet, relevant standard ISO 3864-2

### PS-AP General prohibition



Always use in combination with other symbols or text

Size mm	Labels per sheet	Code	Quantity
25	15	212700	150
	63	212700-BULK	1.260
50	3	212701	30
	15	212701-BULK	750
100	2	212703	10
	4	212703-BULK	500

### PS-SW No water to be used for extinguishing fires



25	15	210200	150
	63	210200-BULK	1.260
50	3	210201	30
	15	210201-BULK	750
100	2	210203	10
	4	210203-BULK	500

#### PST-LSW

No water to be used for extinguishing fires



65x131	1	4103-SW001-GB	10
120x200	1	4106-SW001-GB	3

### PS-NP NO access



25	15	210500	150
50	3	210501	30
100	2	210503	10

#### PST-LSW

No access



65x131	1	4103-NP001-GB	10
120x200	1	4106-NP001-GB	3

### PS-TA Do not touch, live parts



Size mm	Labels per sheet	Code	Quantity
25	15	211300	150
	63	211300-BULK	1.260
50	3	211301	30
	15	211301-BULK	750
100	2	211303	10
	4	211303-BULK	500

#### PST-LSW

Do not touch



65x131	1	4103-TA002-GB	10
120x200	1	4106-TA002-GB	3

### PS-NM Do not carry out any operations



25	15	211400	150
50	3	211401	30
100	2	211403	10

#### PST-LSW

Do not carry out any operations



65x131	1	4103-NM001-GB	10
120x200	1	4106-NM001-GB	3

### PS-NS No smoking



50	3	210001	30
100	2	210003	10

### PS-RP Protection not to be removed



50	3	212401	30
100	2	212403	10

## MANDATORY SIGNS

PVC film, on sheet, relevant standard ISO 3864-2

### MS-WG Protect the eyes



Size mm	Labels per sheet	Code	Quantity
50	3	220001	30
100	2	220003	10

### MS-WH Protect the head



50	3	220101	30
100	2	220103	10

### MS-WD Protect hearing



50	3	220201	30
100	2	220203	10

### MS-CG Wear safety gloves



50	3	220901	30
100	2	220903	10

### MS-PD This way only





50	3	223201	30
100	2	223203	10





## ELECTRICAL SYMBOLS


PVC film, on sheet


CS-L1	Phase 1		Relevant standards: EN 60445	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	700000	225
		192	700000-BULK	960
	16	28	700001	140
		117	700001-BULK	1.170
	20	18	700002	90
		80	700002-BULK	1.200


CS-L2	Phase 2		Relevant standards: EN 60445	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	700100	225
		192	700100-BULK	960
	16	28	700101	140
		117	700101-BULK	1.170
	20	18	700102	90
		80	700102-BULK	1.200


CS-L3	Phase 3		Relevant standards: EN 60445	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	700200	225
		192	700200-BULK	960
	16	28	700201	140
		117	700201-BULK	1.170
	20	18	700202	90
		80	700202-BULK	1.200


CS-N	Neutral		Relevant standards: EN 60445	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	700300	225
		192	700300-BULK	960
	16	28	700301	140
		117	700301-BULK	1.170
	20	18	700302	90
		80	700302-BULK	1.200


CS-EY	Earth		Relevant standards: EN 60445	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	700400	225
		192	700400-BULK	960
	16	28	700401	140
		117	700401-BULK	1.170
	20	18	700402	90
		80	700402-BULK	1.200
	25	15	700403	75
		31,5	8	700404


CS-EW	Earth		Relevant standards: IEC 60417	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	700500	225
		192	700500-BULK	960
	16	28	700501	140
		117	700501-BULK	1.170
	20	18	700502	90
		80	700502-BULK	1.200


CS-EYG	Earth		Relevant standards: EN 61310, IEC 60417	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	700700	225
		192	700700-BULK	960
	16	28	700701	140
		117	700701-BULK	1.170
	20	18	700702	90
		80	700702-BULK	1.200
	25	15	700703	75


CS-E	Earth		Relevant standards: EN 60445	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	700800	225
	16	28	700801	140
	20	18	700802	90

CS-EP	Protected earth		Relevant standards: IEC 60417	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	700900	225
	16	28	700901	140
	20	18	700902	90

CS-PE	Protected conductor		Relevant standards: EN 60445	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	701200	225
		192	701200-BULK	960
	16	28	701201	140
		117	701201-BULK	1.170
	20	18	701202	90
		80	701202-BULK	1.200
25	15	701203	75	

CS-PEN	Neutral with protective function		Relevant standards: EN 60445	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	701300	225
	16	28	701301	140
	20	18	701302	90
	25	15	701303	75

CS-PU	Protected conductor not connected to earth		Relevant standards: EN 60445	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	701400	225
	16	28	701401	140
	20	18	701402	90
	25	15	701403	75

CS-PW	Positive		Relevant standards: EN 50099-2	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	701600	225
	16	28	701601	140
	20	18	701602	90



## ELECTRICAL SYMBOLS

PVC film, on sheet

CS-NW	Negative		Relevant standards: EN 50099-2	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	701700	225
	16	28	701701	140
	20	18	701702	90

CS-PR	Positive		Relevant standards: EN 61310, IEC 60417	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	702000	225
		192	702000-BULK	960
	16	28	702001	140
		117	702001-BULK	1.170
	20	18	702002	90
	80	702002-BULK	1.200	

CS-NB	Negative		Relevant standards: EN 61310, IEC 60417	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	702100	225
		192	702100-BULK	960
	16	28	702101	140
		117	702101-BULK	1.170
	20	18	702102	90
	80	702102-BULK	1.200	

CS-MW	Earth		Relevant standards: IEC 60417	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	702200	225
	16	28	702201	140
	20	18	702202	90
	25	15	702203	75

CS-L+	Positive		Relevant standards: EN 60445	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	702500	225
	16	28	702501	140
	20	18	702502	90
	25	15	702503	75

CS-L-	Negative		Relevant standards: EN 60445	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	702600	225
	16	28	702601	140
	20	18	702602	90
	25	15	702603	75

CS-ACW	Alternating current		Relevant standards: IEC 60417	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	702800	225
	16	28	702801	140
	20	18	702802	90
	25	15	702803	75

CS-DCW	Direct current		Relevant standards: EN 61310, IEC 60417	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	703000	225
	16	28	703001	140
	20	18	703002	90
	25	15	703003	75

CS-DIW	Class II insulation		Relevant standards: IEC 60417	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	703400	225
	16	28	703401	140
	20	18	703402	90

CS-EX	Increased safety		Relevant standards: DIN 40012	
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	703800	225
	16	28	703801	140
	20	18	703802	90
	25	15	703803	75

CS-CE	CE mark			
	Size mm	Labels per sheet	Code	Quantity
	12,5	45	703900	225
		192	703900-BULK	960
	16	28	703901	140
		117	703901-BULK	1.170
	20	18	703902	90
		80	703902-BULK	1.200
25	15	703903	75	



# VS

## UTILITY SECTOR SIGNS

with text, PVC film

**WARNING!**

**DO NOT OPERATE ON LIVE ELECTRICAL EQUIPMENT**

- SPECIFIC AUTHORIZATION MUST BE OBTAINED FROM THE APPROPRIATE AUTHORITY
- NOT LESS THAN TWO PERSONS MUST OPERATE IN DANGEROUS CONDITIONS

DO NOT START WORK WITHOUT HAVING TAKEN THE NECESSARY PRECAUTIONS

VS-I80 268000-GB

**WARNING!**  
ATTENZIONE!  
ATTENTION!  
ACHTUNG!

**DO NOT OPERATE ON LIVE ELECTRICAL EQUIPMENT**

E' VIETATO ESEGUIRE LAVORI SU APPARECCHIATURE ELETTRICHE SOTTO TENSIONE

IL EST INTERDIT DE TRAVAILLER SUR APPAREILLAGES ELECTRIQUES SOUS TENSION

DAS ARBEITEN AN UNTER SPANNUNG STEHENDEN ELEKTROGERÄTEN IST VERBOTEN

VS-II14 2611400

**WARNING!**

**DO NOT OPERATE ON LIVE ELECTRICAL EQUIPMENT**

- SPECIFIC AUTHORIZATION MUST BE OBTAINED FROM THE APPROPRIATE AUTHORITY
- NOT LESS THAN TWO PERSONS MUST OPERATE IN DANGEROUS CONDITIONS

DO NOT START WORK WITHOUT HAVING TAKEN THE NECESSARY PRECAUTIONS

VS-I81 268100-GB

**DO NOT OPEN**  
if not authorized

ONLY TO BE OPENED BY QUALIFIED ELECTRICAL PERSONNEL

VS-I82 268200-GB

### VS-I80

Language	Size mm	Labels per sheet	Code	Quantity
Italian	70x120	1	268000	10
		4	268000-BULK	300
English	70x120	1	268000-GB	10
		4	268000-GB-BULK	300
French	70x120	1	268000-F	10
		4	268000-F-BULK	300
German	70x120	1	268000-D	10
		1	268000-E	10
Spanish	70x120	4	268000-E-BULK	300
		1	268000-P	10
Portuguese	70x120	1	268000-P	10

### VS-II14

70x120	1	2611400	10
--------	---	---------	----

### VS-I81

Italian	65x131	1	268100	10
Italian	52x105	1	268101	10
English	65x131	1	268100-GB	10
French	65x131	1	268100-F	10
German	65x131	1	268100-D	10
Spanish	65x131	1	268100-E	10
Portuguese	65x131	1	268100-P	10

### VS-I82

Italian	52x105	1	268200	10
		6	268200-BULK	450
Italian	40x80	1	268201	10
		15	268201-BULK	900
English	52x105	1	268200-GB	10
		6	268200-GB-BULK	450
French	52x105	1	268200-F	10
		6	268200-F-BULK	450
German	52x105	1	268200-D	10
Spanish	52x105	1	268200-E	10
Portuguese	52x105	1	268200-P	10

## UTILITY SECTOR SIGNS

with text, PVC film

### VS-I83

Language	Size mm	Labels per sheet	Code	Quantity
Italian	52x105	1	268300	10
		6	268300-BULK	450
Italian	40x80	1	268301	10
		6	268300-GB	10
English	52x105	1	268300-GB	10
		6	268300-GB-BULK	450
French	52x105	1	268300-F	10
German	52x105	1	268300-D	10
Spanish	52x105	1	268300-E	10
Portuguese	52x105	1	268300-P	10

### VS-I84

Italian	52x105	1	268400	10
		6	268400-BULK	450
Italian	40x80	1	268401	10
		6	268400-GB	10
English	52x105	1	268400-GB	10
		6	268400-GB-BULK	450
French	52x105	1	268400-F	10
German	52x105	1	268400-D	10
Spanish	52x105	1	268400-E	10
Portuguese	52x105	1	268400-P	10

### VS-I85

Italian	52x105	1	268500	10
		6	268500-BULK	450
Italian	40x80	1	268501	10
		6	268500-GB	10
English	52x105	1	268500-GB	10
		6	268500-GB-BULK	450
French	52x105	1	268500-F	10
		6	268500-F-BULK	450
German	52x105	1	268500-D	10
Spanish	52x105	1	268500-E	10
		6	268500-E-BULK	450
Portuguese	52x105	1	268500-P	10



VS-I83 268300-GB



VS-I84 268400-GB



VS-I85 268500-GB





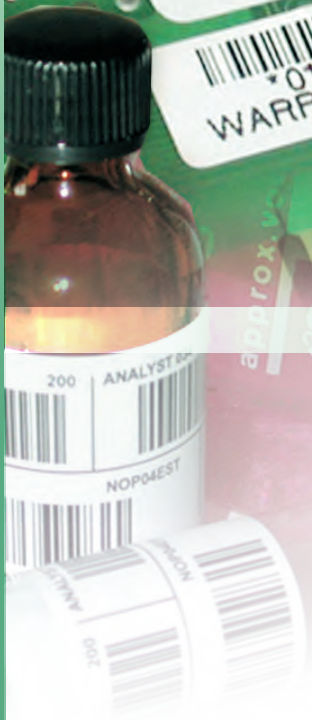
# LABEL stick-onsys

## LABELS FOR LASER AND INK-JET PRINTERS

Blank labels for laser or ink-jet printers. Supplied on A4 sheets, in UL certified materials such as polyester and polyolefin, for long-term use, at very high temperatures if necessary.

Supplied in packs of 10 and combined with a strong liner, each sheet of labels must be fed manually into the printer.

LLS and ILS labels can be used to identify electrical and electronic components with the high quality print provided by desktop printers.



Grey and 'silver' Polyester labels are widely used in the electrical and electronic industries. 'Silver', ie. metallised, labels contain a layer of conductive aluminium which becomes electrically charged during printing. Grey labels are non-conductive and may be preferred when it is necessary to avoid the risk of electrical discharges in the printer. Both types have a similar top surface.

PRINTERS	Laser		
	WPYM	SPYM	YPYM
Material	Polyester	Polyester	Polyester (only indoor)
Colour	white	silver	yellow
Surface	matt	matt	matt
Thickness $\mu$	50	50	50
Temperature range	-40°C to +130°C -40°F to +302°F	-40°C to +130°C -40°F to +302°F	-40°C to +130°C -40°F to +302°F
Min. application temperature	+10°C (+50°F)	+10°C (+50°F)	+10°C (+50°F)
Adhesive	permanent	permanent	permanent

Chemical and pharmaceutical applications commonly require the use of very thin and strong labels capable of withstanding contact with chemical agents.

Polyester is recommended for its transparency and non-deformability. Improved visibility may be obtained with coloured polyester labels available in a wide range of materials supplied by Cembre.



## LASER AND INK-JET LABELS

self adhesive

# LLS-ILS

### Rectangular, square corners

Size A x B mm	Quantity	Code	Rows x columns per A4 sheet	LAYOUT			
				M	N	O	P
5 x 12	8.250	7700707....	55 x 15	15,00	12,00	15,00	10,00
6 x 15	5.520	7700112....	46 x 12	15,00	11,00	15,00	10,00
6 x 20	4.140	7700116....	46 x 9	15,00	11,00	15,00	10,00
7 x 10	7.410	7700708....	39 x 19	10,00	14,00	10,00	10,00
7 x 15	4.680	7700709....	39 x 12	15,00	14,00	15,00	10,00
8 x 12	5.100	7700158....	34 x 15	15,00	15,00	15,00	10,00
8 x 15	4.080	7700164....	34 x 12	15,00	15,00	15,00	10,00
8 x 17	3.740	7700162....	34 x 11	11,50	15,00	11,50	10,00
8 x 45	1.360	7700064....	34 x 4	15,00	15,00	15,00	10,00
9 x 12	4.800	7700070....	30 x 16	9,00	17,00	9,00	10,00
9 x 15	3.600	7700068....	30 x 12	15,00	17,00	15,00	10,00
9 x 20	2.700	7700196....	30 x 9	15,00	17,00	15,00	10,00
9 x 35	1.500	7700710....	30 x 5	17,50	17,00	17,50	10,00
10 x 30	1.620	7700174....	27 x 6	15,00	17,00	15,00	10,00
10 x 33	1.890	7700266....	27 x 6	22,50	17,00	22,50	10,00
10 x 60	810	7700292....	27 x 3	15,00	17,00	15,00	10,00
11 x 19	2.250	7700094....	25 x 9	19,50	12,00	19,50	10,00
11 x 38	1.250	7700096....	25 x 5	10,00	12,00	10,00	10,00
12 x 25	1.610	7700304....	23 x 7	17,50	14,00	17,50	10,00
12 x 34	1.150	7700300....	23 x 5	20,00	14,00	20,00	10,00
12 x 40	880	7700711....	22 x 4	25,00	23,00	25,00	10,00
13 x 50	630	7700712....	21 x 3	30,00	14,00	30,00	10,00
15 x 17	1.980	7700330....	18 x 11	11,50	11,50	11,50	10,00
15 x 27	1.260	7700616....	18 x 7	10,50	17,00	10,50	10,00
15 x 49	540	7700614....	18 x 3	31,50	17,00	31,50	10,00
15 x 78	360	7700713....	18 x 2	27,00	17,00	27,00	10,00
18 x 32	900	7700228....	15 x 6	9,00	17,00	9,00	10,00
18 x 46	600	7700208....	15 x 4	13,00	17,00	13,00	10,00
21 x 70	260	7700714....	13 x 2	35,00	14,00	35,00	10,00
22 x 40	480	7700306....	12 x 4	25,00	33,00	25,00	10,00
22 x 63	360	7700652....	12 x 3	10,50	33,00	10,50	10,00
22 x 110	120	7700715....	12 x 1	50,00	23,00	50,00	10,00
25 x 50	330	7700716....	11 x 3	30,00	12,00	30,00	10,00
25 x 80	220	7700717....	11 x 2	25,00	12,00	25,00	10,00
30 x 80	180	7700719....	9 x 2	25,00	17,00	25,00	10,00
30 x 100	180	7700720....	9 x 2	5,00	17,00	5,00	10,00
32 x 58	240	7700718....	8 x 3	18,00	31,00	18,00	10,00
34 x 60	240	7700721....	8 x 3	15,00	15,00	15,00	10,00
34 x 63	240	7700484....	8 x 3	10,50	15,00	10,50	10,00
40 x 60	210	7700452....	7 x 3	15,00	10,00	15,00	7,00
40 x 90	140	7700456....	7 x 2	15,00	10,00	15,00	7,00
42 x 78	120	7700722....	6 x 2	27,00	35,00	27,00	10,00
45 x 60	180	7700414....	6 x 3	15,00	17,00	15,00	10,00
48 x 90	100	7700528....	5 x 2	15,00	47,00	15,00	10,00
50 x 80	100	7700723....	5 x 2	25,00	37,00	25,00	10,00
52 x 107	50	7700726....	5 x 1	51,50	27,00	51,50	10,00
60 x 100	80	7700725....	4 x 2	5,00	47,00	5,00	10,00
62 x 88	80	7700724....	4 x 2	17,00	39,00	17,00	10,00
75 x 105	30	7700728....	3 x 1	52,50	62,00	52,50	10,00
105 x 110	20	7700727....	2 x 1	43,50	77,00	43,50	10,00
120 x 60	40	7700729....	2 x 2	15,00	47,00	15,00	10,00
120 x 70	40	7700730....	2 x 2	35,00	57,00	35,00	10,00
140 x 98	40	7700731....	2 x 2	7,00	7,00	7,00	10,00

Self-adhesive labels on A4 sheets for printers using Microsoft Office, etc.

Print quality and integrity depends on the equipment used.

Materials available: see p.130  
Add material reference below to Code

WPYM

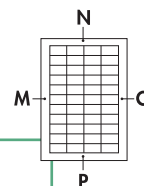
SPYM

YPYM

### LAYOUT

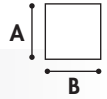
**MARGIN:**  
sheet edge  
to label side

- M - Left margin
- N - Upper margin
- O - Right margin
- P - Lower margin
- X - Horizontal spacing between labels
- Y - Vertical spacing between labels



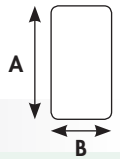
## LASER AND INK-JET LABELS

self adhesive



### Square, square corners

Size A x B mm	Quantity	Code	Rows x columns per A4 sheet	LAYOUT			
				M	N	O	P
16 x 16	1.760	7702045....	16 x 11	17,00	31,00	17,00	10,00
20 x 20	1.170	7702046....	13 x 9	15,00	27,00	15,00	10,00
28 x 28	600	7702044....	10 x 6	21,00	10,00	21,00	7,00
30 x 30	540	7702032....	9 x 6	15,00	17,00	15,00	10,00
40 x 40	280	7702036....	7 x 4	25,00	10,00	25,00	7,00
50 x 50	150	7702047....	5 x 3	30,00	37,00	30,00	10,00
70 x 70	80	7702049....	4 x 2	35,00	7,00	35,00	10,00
100 x 100	40	7702050....	2 x 2	5,00	97,00	5,00	10,00



### Rectangular, rounded corners

Size A x B mm	Quantity	Code	Rows x columns per A4 sheet	LAYOUT			
				M	N	O	P
275x190	10	7703058....	1 x 1	10,00	12,00	10,00	10,00

### LAYOUT

**MARGIN:**  
sheet edge  
to label side

- M - Left margin
- N - Upper margin
- O - Right margin
- P - Lower margin
- X - Horizontal spacing between labels
- Y - Vertical spacing between labels



### Circular



Size Ø mm	Quantity	Code	Rows x columns per A4 sheet	LAYOUT					
				M	N	O	P	X	Y
16	1.400	7704002....	14 x 10	7,00	10,00	7,00	10,00	4,00	4,00
25	540	7704006....	9 x 6	17,50	17,00	17,50	15,00	5,00	5,00
50	150	7704010....	5 x 3	22,00	21,00	22,00	10,00	4,00	4,00

### A4

Size A x B mm	Quantity	Code
297x210	10	7706000....

## WRAPAROUND CABLE MARKERS

for laser printers, self adhesive, A4 sheet

# KML



KML wraparound cable markers are suitable for identifying large diameter cables, tubes and conduit.

**Order Code followed by B Ref. corresponding to required width.**

**Material:** transparent Polyester film.

Long-life Acrylic adhesive.

Resistant to water, oil, grease, alcohol, detergent, alkaline substances, sea water and all kinds of detergents.

Excellent dimensional stability, optimum anti-ageing qualities

⚡ Operating temperature range:

- 40°C to + 125°C

104°F to + 257°F

### KML 038

Wrapping diameter 4,3 ÷ 7mm  
Overall length A: 38mm

Colour	Code	B Ref.	Print area C x B mm	Quantity
white	18950-...	010	10x10	1.260
		012	10x12	1.050
yellow	18450-...	015	10x15	840
		018	10x18	700
orange	18350-...	020	10x20	630
		023	10x23	560
red	18250-...	025	10x25	490
		030	10x30	420
blue	18650-...	035	10x35	350
		045	10x45	280

### KML 050

Max. wrapping diameter 6 ÷ 10mm  
Overall length A: 50mm

white	18951-...	010	15x10	900
		012	15x12	750
yellow	18451-...	015	15x15	600
		018	15x18	500
orange	18351-...	020	15x20	450
		023	15x23	400
red	18251-...	025	15x25	350
		030	15x30	300
blue	18651-...	035	15x35	250
		045	15x45	200

### KML 075

Max. wrapping diameter 8 ÷ 14mm  
Overall length A: 75mm

white	18952-...	010	25x10	540
		012	25x12	450
yellow	18452-...	015	25x15	360
		018	25x18	300
orange	18352-...	020	25x20	270
		023	25x23	240
red	18252-...	025	25x25	210
		030	25x30	180
blue	18652-...	035	25x35	150
		045	25x45	120

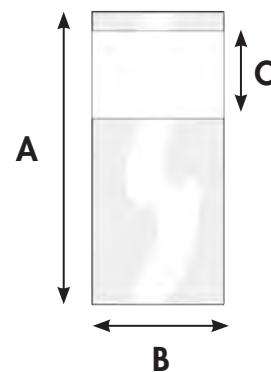
### KML 135

Max. wrapping diameter 19 ÷ 34mm  
Overall length A: 135mm

white	18953-...	015	25x15	240
		018	25x18	200
yellow	18453-...	020	25x20	180
		023	25x23	160
orange	18353-...	025	25x25	140
		030	25x30	120
red	18253-...	035	25x35	100
		045	25x45	80

#### USE

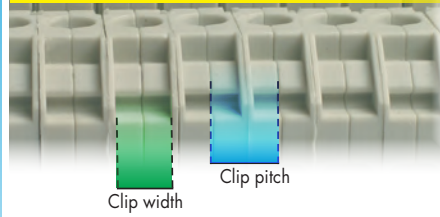
Directly on cables, etc in accordance with wrapping diameter limitations shown for each size.



# CHART

## TERMINAL BLOCK MARKER CROSS REFERENCE CHART

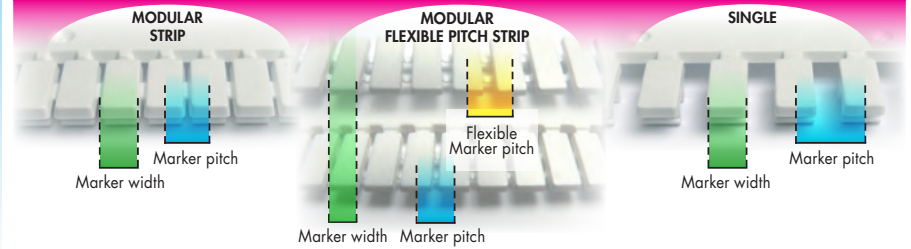
### TERMINAL BLOCK



MG-CPM terminal block markers are available in versions to suit the particular clip formats of the most widely used products, see cross reference chart to side.

Depending on type, markers are presented as joined strips at a set or flexible pitch or as separate markers for convenient individual insertion on mixed pitch terminal block assemblies.

### MARKERS



### MODULAR STRIP



M

Marker width < Clip width  
Marker pitch = Clip pitch

### MODULAR FLEXIBLE STRIP



MF

Marker width < Clip width  
Marker pitch = Clip pitch

### SINGLE CLIPS TO PITCH



P

Marker width = Clip width  
Marker pitch = Clip pitch

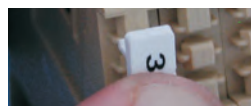
### SINGLE CLIPS COMPATIBLE TO PITCH



CP

Marker width < Clip width  
Marker pitch = Clip pitch

### SINGLE CLIPS



S

Marker width = Clip width  
Marker pitch ≠ Clip pitch

### SINGLE CLIPS COMPATIBLE



C

Marker width < Clip width  
Marker pitch ≠ Clip pitch













## WEIDMÜLLER

Size mm	Marker					
	MG-CPMA01 41092 3X10	MG-CPMA01 41090N 5X10	MG-CPMA01 41091N 5X15	MG-CPMA01 41094 5X7	MG-CPMA02 41190N 5X10	MG-CPMF 4094 5,2X105
Terminal block						
WDU 4N	C	C	C	C	C	M
WDU 6	C	C	C	C	C	M
WDU 10	C	C	C	C	C	M
WDU 10SL	C	C	C	C	C	M
WDU 16	C	C	C	C	C	M
WDU 35 N	C	C	C	C	C	M
WDU 70/95	C	C	C	C	C	M
WDU 95N	C	C	C	C	C	M
WDU 120/150	C	C	C	C	C	M
WDU 240	C	C	C	C	C	M
WEV 35/2	C	C	C	C	C	M
WFF 35	C	C	C	C	C	M
WFF 70	C	C	C	C	C	M
WFF 120	C	C	C	C	C	M
WFF 185	C	C	C	C	C	M
WFF 300	C	C	C	C	C	M
WIN BLOCK	C	C	C	C	C	M
WNT 2.5	P	S	S	S	S	S
WNT 4	C	C	C	C	C	C
WNT 6	C	C	C	C	C	C
WNT 10	C	C	C	C	C	C
WPE 1.5	P	S	S	S	S	S
WPE 1.5/ZZ	P	S	S	S	S	S
WPE 2.5	P	S	S	S	S	S
WPE 2.5/1.5/ZR	P	C	C	C	C	C
WPE 4	C	C	C	C	C	C
WPE 6	C	C	C	C	C	C
WPE 10	C	C	C	C	C	C
WPE 16	C	C	C	C	C	C
WPE 35	C	C	C	C	C	C
WSI 6	C	C	C	C	C	C
WSI 6/2	C	C	C	C	C	C
WTL 6/1	C	C	C	C	C	C
WTL 6/2	CP	CP	CP	CP	CP	CP
WTR 2.5	P	C	C	C	C	C
ZBLD 2.5/1.5	C	P	C	C	C	C
ZDK 2.5/1.5	C	P	C	C	C	C
ZDK 2.5/1.5 DU-PE	C	P	C	C	C	C
ZDK 2.5/1.5 N-PE	C	P	C	C	C	C
ZDK 2.5/1.5 V / E	C	P	C	C	C	C
ZDK 2.5/1.5/E	C	P	C	C	C	C
ZDK 2.5/1.5/E BL	C	P	C	C	C	C
ZDK 2.5/1.5/LD/1	C	P	C	C	C	C
ZDK 2.5/1.5/LD/2	C	P	C	C	C	C
ZDK 2.5/1.5/N-PE/E	C	P	C	C	C	C
ZDK 2.5/1.5D1...6	C	P	C	C	C	C
ZDK 2.5/1.5N-DU	C	P	C	C	C	C
ZDK 2.5/1.5N-DU/E	C	P	C	C	C	C
ZDK 2.5/1.5N-DU-PE/E	C	P	C	C	C	C
ZDK 2.5/1.5PE	C	P	C	C	C	C
ZDK 2.5/1.5V	P	C	C	C	C	C
ZDKB	C	C	C	C	C	C
ZDKS	C	C	C	C	C	C
ZDID 2.5 / 1.5	P	C	C	C	C	C
ZDID 2.5 / 1.5 V	P	C	C	C	C	C
ZDU 1.5						
ZDU 2.5 2.5/10	P	C	C	C	C	C
ZDU 2.5/2x2AN	P	C	C	C	C	C
ZDU 2.5/2x2AN (/E) BL	P	C	C	C	C	C
ZDU 2.5/2x2AN/10	P	C	C	C	C	C
ZDU 2.5/2x2AN/D	P	C	C	C	C	C
ZDU 2.5/2x2AN/E	P	C	C	C	C	C
ZDU 2.5/2x2AN/LD	P	C	C	C	C	C
ZDU 2.5/3AN	P	C	C	C	C	C
ZDU 2.5/3AN (/E) BL	P	C	C	C	C	C
ZDU 2.5/3AN/10	P	C	C	C	C	C
ZDU 2.5/3AN/E	P	C	C	C	C	C
ZDU 2.5/4AN	P	C	C	C	C	C
ZDU 2.5/4AN (/E) BL	P	C	C	C	C	C
ZDU 2.5/4AN/10	P	C	C	C	C	C
ZDU 2.5-2/3	P	C	C	C	C	C
ZDU 2.5-2/3AN (/E) BL	P	C	C	C	C	C
ZDU 2.5-2/4AN (/E)	P	C	C	C	C	C
ZDU 2.5-2/3AN (/E) BL	P	C	C	C	C	C
ZDU 2.5-2/4AN (/E)	P	C	C	C	C	C
ZDU 2.5-2/4AN (/E) BL	P	C	C	C	C	C
ZDU 2.5 (/E)	P	C	C	C	C	C
ZDU 2.5 (/E) BL	P	C	C	C	C	C
ZDU 2.5-2	P	C	C	C	C	C
ZDU 4	C	C	C	C	C	C
ZDU 6	CP	CP	CP	CP	CP	CP
ZDU 10 NT	C	C	C	C	C	C
ZDU 16 16/3AN	C	C	C	C	C	C
ZDU 35	C	C	C	C	C	C
ZDUA 2.5-2 (/E)	P	C	C	C	C	C
ZDUA 2.5-2 (/E) BL	P	C	C	C	C	C
ZDUB 2.5 / 2-2/4AN	P	C	C	C	C	C
ZDUB 2.5 / 2AN	P	C	C	C	C	C
ZDUB 2.5-2/2AN	P	C	C	C	C	C
ZIA 1.5/...	C	C	C	C	C	C
ZK3S	C	C	C	C	C	C

## WEIDMÜLLER

Size mm	Marker					
	MG-CPMA01 41092 3X10	MG-CPMA01 41090N 5X10	MG-CPMA01 41091N 5X15	MG-CPMA01 41094 5X7	MG-CPMA02 41190N 5X10	MG-CPMF 4094 5,2X105
Terminal block						
ZKB	C	C	C	C		
ZKS	C	C	C	C		
ZPE 2.5/4AN	P	C	C	C		
ZPE 2.5	P	C	C	C		
ZPE 2.5/3AN	P	P	C	C		
ZPE 2.5/3AN/E	P	P	C	C		
ZPE 2.5/4AN	P	P	C	C		
ZPE 2.5/4AN/E	P	P	C	C		
ZPE 2.5/E	P	P	C	C		
ZPE 2.5-2 (/E)	P	P	C	C		
ZPE 2.5-2/3AN	P	C	C	C		
ZPE 2.5-2/3AN/E	P	P	C	C		
ZPE 2.5-2/4AN	P	P	C	C		
ZPE 35	C	C	C	C		
ZPEA-2/E	P	C	C	C		
ZRV 1.5	P	C	C	C		
ZRV 1.5PE	P	P	C	C		
ZSI 2.5	P	C	C	C		
ZSI 2.5/2	P	P	C	C		
ZSLD 2.5/1.5	P	P	C	C		
ZTR 2.5	P	C	C	C		
ZTR 2.5 D	P	C	C	C		
ZTR 2.5/3AN	P	C	C	C		
ZVL 1.5 ....	P	C	C	C		

## WIELAND

Size mm	Marker		
	MG-CPMA03 41490 3X10	MG-CPMA03 41494 5X10	STF-05 42805
Terminal block			
WT 2.5	P	M	M
WT 4	C	C	M
WT 6	C	C	M
WT 10	C	C	M
WT 16	C	C	M
WTP 2.5/4	P	C	M
WTP 6/10	C	C	M
WK 2.5/ U	P	M	M
WK 4/ U	C	C	M
WK 6/ U	C	C	M
WK 8/ U	C	C	M
WK 10/ U	C	C	M
WK 25/ U	C	C	M
WK 35/ U	C	C	M
WKFN 16/35	C	C	M

## WOERTZ

Size mm	Marker			
	MG-CPMA01 41092 3X10	MG-CPMA01 41090N 5X10	MG-CPMA02 41190N 5X10	MG-CPMA01 41094 5X7
Terminal block				
30544 / 4 V	C	C	C	C
30544 / 6 V	C	C	C	C
30544 / 10 V	C	CP	CP	CP
30800	C	C	C	C
30840	C	C	C	C
30841	C	C	C	C
30842	C	C	C	C
30843	C	C	C	C
30844	C	C	C	C

# PRE-PRINTED MARKINGENIUS MEDIA SPECIFICATION

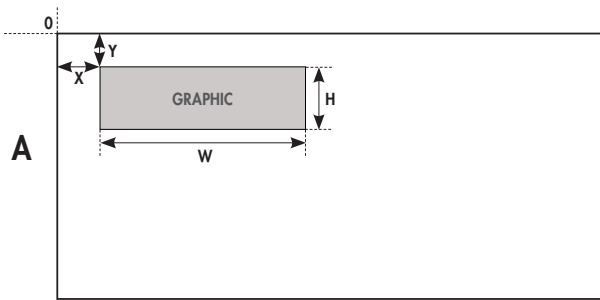
Sent by	<input type="text"/>	Requested by	<input type="text"/>
Name of sender	<input type="text"/>	Authorised by	<input type="text"/>
Date sent	<input type="text"/>	Signature	<input type="text"/>

## CUSTOMER INFORMATION

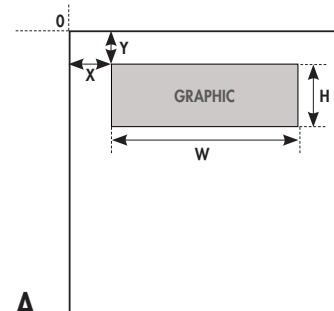
Contact name	<input type="text"/>	Company	<input type="text"/>
Address <input type="text"/>			
City	<input type="text"/>	Postcode	<input type="text"/>
		Country	<input type="text"/>
Phone	<input type="text"/>	Fax	<input type="text"/>
E-mail		<input type="text"/>	
First order qty	<input type="text"/>	Annual consumption	<input type="text"/>
Indicative price each:		<input type="text"/>	€ or £

## MEDIUM

Part code	<input type="text"/>	example: MG-VRT-A 88903
<input type="checkbox"/> Landscape	size mm: A <input type="text"/>	B <input type="text"/>
<input type="checkbox"/> Portrait	size mm: A <input type="text"/>	B <input type="text"/>



Note: Graphic area includes ALL pre-printed elements



B

A

Material	For rigid PVC only	Colour	
<input type="checkbox"/> Rigid PVC	<input type="checkbox"/> self-adhesive	<input type="checkbox"/> white	<input type="checkbox"/> yellow
<input type="checkbox"/> PVC self-adhesive film	<input type="checkbox"/> plain	<input type="checkbox"/> red	<input type="checkbox"/> grey
<input type="checkbox"/> Polyester self-adhesive film	<input type="checkbox"/> pre-drilled with holes	<input type="checkbox"/> green	<input type="checkbox"/> metallic grey
	<input type="checkbox"/> pre-drilled with holes self-adhesive	<input type="checkbox"/> blue	<input type="checkbox"/> black

B

## GRAPHIC

GRAPHIC area mm :	W <input type="text"/>	H <input type="text"/>	GRAPHIC position mm:	X <input type="text"/>	Y <input type="text"/>
GRAPHIC colour references	<input type="text"/>				Pantone®, RAL...
<input type="checkbox"/>	GRAPHIC vector file (Adobe Illustrator *.ai, Corel Draw *.cdr, AutoCAD *.dxf)				
<input type="checkbox"/>	GRAPHIC on printed document (Company letterhead, business card, packaging...)				
<input type="checkbox"/>	Sample PLATE (eg currently used)				
<input type="checkbox"/>	Scan/image of MEDIUM or GRAPHIC (Adobe Acrobat *.pdf)				

## SUPPLY FOR CUSTOMER APPROVAL

<input type="checkbox"/>	PDF file (Adobe Acrobat)
<input type="checkbox"/>	3 sample sheets (cost 50 € / £ 44)

## INDELIBILITY

**CEI 23-11 equivalent to CEI EN 61058-1**

**Device switches**  
**Part 1: General indications**  
**Paragraph 8.9**

and

**CEI EN 61439**

**Low-voltage**  
**switchgear and controlgear assemblies**  
**Part 1 : General rules**  
**Paragraph 10.2.7 Marking**

By rubbing 15 times in approx. 15 seconds with a cloth soaked with distilled water, followed by rubbing 15 times in approx. 15 seconds with a cloth soaked with solvent Hexane. During the tests, the soaked cloth must be applied to the print with a pressure of about 2N/cm<sup>2</sup>.

At the end of the test, the print should still be legible.

Solvent Hexane used by Cembre: Sigma-Aldrich Hexane 32293 CAS.no 110-54-3

**CEI EN 61010-1 Ed.2 equivalent to VDE 0411-1**

**Safety indications for electric devices**  
**for measurement, control and laboratory use**  
**Part 1: General indications**

This regulation requires that both material and the print shall withstand, cleaning with chemical agents commonly used in industry. By rubbing manually by hand, without excessive pressure, for 30 seconds with a cloth soaked in the specific detergent or, if not specified, Isopropyl Alcohol.

## CEMBRE INTERNAL TEST

This test was created to simulate cleaning with chemical products commonly used on various surfaces. By wiping with a cloth soaked in 95% Ethanol 30 times and making a visual inspection after every 10 passes.

## SALINE MIST

**EN ISO 9227**

**Environmental Testing**  
**Part 2: Tests - Test Ka: Salt mist**

The test methods listed by the standard are the following:

- Concentration of 50 ± 5 g/l of Sodium Chloride;
- pH of the solution between 6.5 and 7.2;
- Temperature inside the cabin 35 ± 2°C.

Self-adhesive media are applied to plastic surfaces, while cable markers are applied to cables with PVC insulation.

After the test, the samples must undergo a visual examination and, if necessary, electrical and mechanical controls as required by appropriate regulations.

At the end of the test, the print should still be legible.

## RESISTANCE TO ABRASION AND FRICTION

**CEI EN 16-7**

**Elements to identify terminals and cable endings**  
**Paragraph 7.2 Indelibility**

After printing, legibility of the print is checked by visual examination; it is also verified visually after manually rubbing 10 times with a cotton flock soaked in water and again for another 10 times with a cotton flock soaked in pure Hexane. At the end of the test, the print should still be legible.

Solvent Hexane used by Cembre: Sigma-Aldrich Hexane 32293 CAS.no 110-54-3

## RESISTANCE TO SOLVENT VAPOUR

**CEI EN 60464-2**

**Resistance to solvent vapour is verified by the condition of the test sample following exposure.**

The standard requires the sample to be placed in a container of the specified solvent.

The test samples must be suspended vertically with the lower edge around

150 mm above the surface of the test solvent. During the exposure, the liquid must not evaporate completely and, if necessary, must be topped up. The temperature of the test solvent must be 23 ± 2 °C and the duration of exposure must be 168h ± 1 (seven days). After removal from the container, each test sample must be examined to determine whether there has been any change in appearance, loss of adherence of the sub layer, exfoliation, detachment, bulging or other signs of deterioration.

Solvents used by Cembre are: Acetone (not for PVC material), Ethanol, Hexane

Except to PET transparent material.



## UV RESISTANCE

### EN ISO 4892-2

Methods of exposure to laboratory light sources  
Part 2: Xenon arc lamps

Exposure to artificial laboratory light, in Solar-box model 1500E.

The properties of the material and the legibility of the print are verified after the test.

- Temperature of black panel:  $65^{\circ}\text{C} \pm 3^{\circ}\text{C}$
- Exposure: continuous
- Radiation:  $550 \text{ W/m}^2$
- Xenon 1500 W lamp
- Borosilicate 280 mm filter (outdoor)
- External testing temperature:  $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$

## EFFECT OF AGEING

### CEI 16-7

Elements to identify terminals and cable endings  
Paragraph 7.4 Thermal tests

20 samples per type and size are used, applied on cylindrical steel barrels approx. 100 mm long: 10 of the minimum diameter and 10 of the maximum diameter of the cable used with the element. The samples are then located in a climatic chamber and held for 5 hours at the maximum usage temperature expected, then left to cool to room temperature.

At the end of the test, all of the samples should show substantial dimensional stability. None of the samples, especially those in temperature regulating material, should have breaks or cracks.

Small deformations are allowed. Where applicable, it should be possible to remove and replace elements tested in holders.

Conformity is verified by visual examination.

## EFFECT OF IMMERSION IN LIQUID CHEMICALS

### UNI EN ISO 175

Test methods to determine the effects of immersion in chemicals liquid

The standard specifies methods for exposing plastic test samples to liquid chemical agents and for determining changes in characteristics caused by this exposure. It includes the immersion test for 24 hours of the entire surface of the test sample and applies to all solid plastic materials, submitted in the form of printed or extruded materials, plates, pipes, bars or sheets with a thickness greater than 0.1 mm.

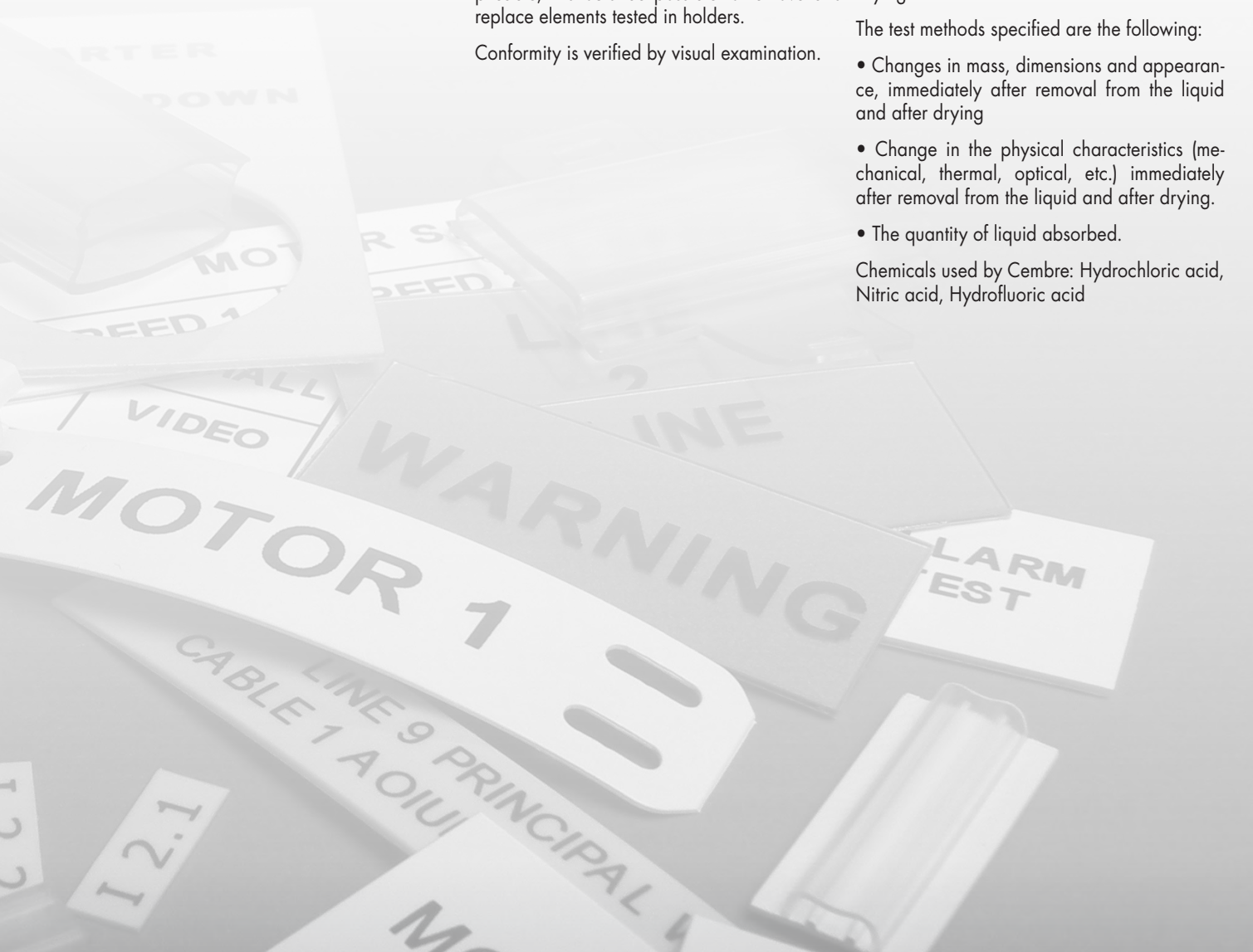
The test samples are completely immersed in a test liquid for a specified time and temperature.

Their characteristics are determined before immersion, after removal from the liquid and after drying.

The test methods specified are the following:

- Changes in mass, dimensions and appearance, immediately after removal from the liquid and after drying
- Change in the physical characteristics (mechanical, thermal, optical, etc.) immediately after removal from the liquid and after drying.
- The quantity of liquid absorbed.

Chemicals used by Cembre: Hydrochloric acid, Nitric acid, Hydrofluoric acid





Also in the Cembre range:  
*Heat-shrinkable tubing*



*Electrical connectors* insulated & uninsulated from 0,25 to 1.000 mm<sup>2</sup>



*Terminal blocks*



*Cable glands* general purpose and specialist

**MAXIbrass**



**MAXIblock**

*Tools* hydraulic crimping and cutting equipment



This catalogue is the property of Cembre.  
Any reproduction (in full or in part) is forbidden without  
the prior written permission of Cembre.

Information in this catalogue is provided to  
aid the commercial selection of products.  
It is not intended for use as an instruction manual.  
Information concerning application and correct  
operational use is provided by specific documentation  
delivered with the products.

Cembre reserves the right to modify specifications  
in this catalogue without prior notice.

Errors and omissions excepted.

printing: IGB Group Brescia



1 5 V 0 2 8 E

## CEMBRE GROUP

	<b>Cembre S.p.A.</b> via Serenissima, 9 25135 Brescia ITALIA	Telefono: 030 36921	Fax: 030 3365766	sales@cembre.com	www.cembre.it
	<b>Cembre Ltd.</b> Dunton Park, Kingsbury Road, Curdworth - Sutton Coldfield West Midlands B76 9EB UK	Phone: 01675 470440	Fax: 01675 470220	sales@cembre.co.uk	www.cembre.co.uk
	<b>Cembre S.a.r.l.</b> 22 Avenue Ferdinand de Lesseps 91423 Morangis Cedex FRANCE	Tél.: 01 60 49 11 90	Fax: 01 60 49 29 10	info@cembre.fr	www.cembre.fr
	<b>Cembre España S.L.</b> Calle Verano, 6 y 8 - P.I. Las Monjas 28850 Torrejón de Ardoz - Madrid ESPAÑA	Teléfono: 91 4852580	Telefax: 91 4852581	comercial@cembre.es	www.cembre.es
	<b>Cembre AS</b> Fossnes Senter N-3160 Stokke NORGE	Phone: 33361765	Fax: 33361766	sales@cembre.no	www.cembre.no
	<b>Cembre GmbH</b> Heidemannstraße 166 80939 München DEUTSCHLAND	Telefon: 089/3580676	Fax: 089/3580677	sales@cembre.de	www.cembre.de
	<b>Cembre Inc.</b> Raritan Center Business Park - 181 Fieldcrest Avenue Edison, New Jersey 08837 USA	Tel.: (732) 225-7415	Fax: (732) 225-7414	sales.us@cembreinc.com	www.cembreinc.com



**www.cembre.com**

*Any other country, please contact Cembre S.p.A. - Italy*



8 016692 694665