

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.

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.

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!

WRAPAROUND SELF LAMINATING CABLE MARKERS

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

STRIPS & LABELS

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

Alphanumeric signs in PVC film.

PMP-30

PUSH-IN CABLE MARKERS Polyamide, in strips



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 premounted 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 240mm².

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

🌡️ Temperature range
- 30°C to + 85°C
- 22°F to + 185°F

Use with:	page
PM transparent holders	72
PM-*L transparent holders	74
PM-AC transparent holders	75
PM-ET transparent holders	75
PM-DT transparent holders	75

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

PMP-30 Marker width 3mm. 20 markers per strip

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

PMP-30

PUSH-IN CABLE MARKERS

Polyamide, in strips



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 25mm²
- 1x **PMP-ST** carrier set for 25 strips
- 1x insertion tool **PMP-SMT** length 15mm



STARTkit PMP-30

		Code	Quantity	
		990050	1	
		Code	Quantity	
0	PMP-30	23129-0	500	
1	PMP-30	23129-1	500	
2	PMP-30	23129-2	500	
3	PMP-30	23129-3	500	
4	PMP-30	23129-4	500	
5	PMP-30	23129-5	500	
6	PMP-30	23129-6	500	
7	PMP-30	23129-7	500	
8	PMP-30	23129-8	500	
9	PMP-30	23129-9	500	
R	PMP-30	23129-R	500	
S	PMP-30	23129-S	500	
T	PMP-30	23129-T	500	
U	PMP-30	23129-U	500	
V	PMP-30	23129-V	500	
W	PMP-30	23129-W	500	
X	PMP-30	23129-X	500	
Y	PMP-30	23129-Y	500	
Z	PMP-30	23129-Z	500	
N	PMP-30	23129-N	500	
+	PMP-30	23129-+	500	
-	PMP-30	23129-	500	
=	PMP-30	23129=	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 ²	1.000
	PM-02	50212	Cable ext. Ø range 3,5÷4,3mm; c.s.a range 2,5÷4mm ²	1.000
	PM-03	50312	Cable ext. Ø range 4÷6,3mm; c.s.a range 4÷10mm ²	500
	PM-04	50411	Cable ext. Ø range 6÷10mm; c.s.a range 10÷25mm ²	500
	PMP-ST	990002	Carrier	1
	PMP-SMT	990005	Insertion tool	1

ACCESSORIES

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.

INSERTION TOOLS

		Code	Tab length mm	Markers	Quantity
PMP-SMT		990005	15,0	PMP-30	1
		990006	20,0	PMP-30	1
PMP-ET for extracting		990018	15,0	extracting PMP-30	1

CARRIERS

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

RMS

PUSH ON RING CABLE MARKERS

alphanumeric



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

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 V0 (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 V0 (UL94)

Temperature range
 -30°C to +80°C
 -22°F to +176°F

BAG



Markers with electrical symbols are identified by the following suffixes:

RMS-01 59044-GNPD

RMS-01 Bag of 1.000 markers

Cable ext. Ø range 1,3 ÷ 3mm (0.05÷0.12 in.) and c.s.a range 0,35 ÷ 1mm² (22÷17 AWG)

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

RMS-01 Reel of 1.000 markers

Cable ext. Ø range 1,3 ÷ 3mm (0.05÷0.12 in.) and c.s.a range 0,35 ÷ 1mm² (22÷17 AWG)

white	A to Z	59349-... add the character
	0 to 9	
	PLS MNS EQL STR GNPD GND AC OHM DOT COM CLN SCLN AST DELTA STAR DIA	
yellow	A to Z	59344-... add the character
	0 to 9	
	PLS MNS EQL STR GNPD GND AC OHM DOT COM CLN SCLN AST DELTA STAR DIA	

REEL



BAG



RMS-02 Bag of 1.000 markers
 Cable ext. Ø range 2,5 ÷ 5mm (0.1÷0.19 in.) and c.s.a range 1,5 ÷ 4mm² (15÷11 AWG)

Colour	Character	Code
white	A to Z	59649-... add the character
	0 to 9	
	. , : ; * Δ ∇ 0	
	DOT COM CLN SCLN AST DELTA STAR DIA	
yellow	A to Z	59644-... add the character
	0 to 9	
	. , : ; * 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
yellow	4	59643- unprinted
	■	59644- unprinted
green	5	59644-5
	■	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

Markers with electrical symbols are identified by the following suffixes:

■ RMS-02 59444-GNPD

REEL



RMS-02 Reel of 1.000 markers
 Cable ext. Ø range 2,5 ÷ 5mm (0.1÷0.19 in.) and c.s.a range 1,5 ÷ 4mm² (15÷11 AWG)

white	A to Z	59449-... add the character
	0 to 9	
	. , : ; * Δ ∇ 0	
	DOT COM CLN SCLN AST DELTA STAR DIA	
yellow	A to Z	59444-... add the character
	0 to 9	
	. , : ; * Δ ∇ 0	
	DOT COM CLN SCLN AST DELTA STAR DIA	

BAG



RMS-03 Bag of 500 markers
Cable ext. Ø range 4 ÷ 10mm (0.15÷0.39 in.) and c.s.a range 4 ÷ 16mm² (11÷5 AWG)

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

Markers with electrical symbols are identified by the following suffixes:
 RMS-03 59744-GNDP

BAG



RMS-04 Bag of 100 markers
Cable ext. Ø range 8 ÷ 16mm (0.31÷0.63 in.) and c.s.a range 16 ÷ 70mm² (5÷2/0 AWG)

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

ACCESSORIES

for push-on ring cable markers



RMT

	Description	Code	Quantity
RMT-01	Insertion tool for RMS-01	990023	1
RMT-02	Insertion tool for RMS-02	990024	1
RMT-03	Insertion tool for RMS-03	990025	1



PUSH-ON FLAT RING CABLE MARKERS
with tie-on carriers



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 V0 (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.

FMS-04 Bags of 500 markers. Marker length 4mm

Colour	Character	Code																																
■ yellow	<table border="1"> <tr> <td>A to Z</td> <td>+</td> <td>-</td> <td>=</td> <td>/</td> <td>⊕</td> <td>⊖</td> <td>Ω</td> </tr> <tr> <td>0 to 9</td> <td>PLS</td> <td>MNS</td> <td>EQL</td> <td>STK</td> <td>GNDP</td> <td>GND</td> <td>AC OHM</td> </tr> <tr> <td>.</td> <td>,</td> <td>:</td> <td>;</td> <td>*</td> <td>⚠</td> <td>⚡</td> <td>∅</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>	A to Z	+	-	=	/	⊕	⊖	Ω	0 to 9	PLS	MNS	EQL	STK	GNDP	GND	AC OHM	.	,	:	;	*	⚠	⚡	∅	DOT	COM	CLN	SCLN	AST	DELTA	STAR	DIA	32274-... add the character
A to Z	+	-	=	/	⊕	⊖	Ω																											
0 to 9	PLS	MNS	EQL	STK	GNDP	GND	AC OHM																											
.	,	:	;	*	⚠	⚡	∅																											
DOT	COM	CLN	SCLN	AST	DELTA	STAR	DIA																											
	■	32274- unprinted																																

FMS-40 Bags of 100 markers. Marker length 40mm

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

Material: Soft PVC, self extinguishing according to class V0 (UL94)

🌡️ Temperature range
- 30°C to + 80°C
- 22°F to + 176°F

Markers with electrical symbols are identified by the following suffixes:
⚡ FMS-04 32274-GNPD

ACCESSORIES
for push-on flat ring cable markers



FMH

Description	Code	Hight mm	Lenght mm	Quantity
FMH-7 Carrier for 7 x FMS-04	990088	9	30	100
FMH-12 Carrier for 12 x FMS-04 or 1 x FMS-40	990089	9	50	100
FMH-18 Carrier for 18 x FMS-04	990090	9	70	100





WRAPAROUND CABLE MARKERS

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



KM wraparound cable markers hand-printing with permanent pens (see p. 41), are suitable for identifying large diameter cables, tubes and conduit.

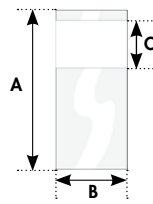
The procedure is quick - carefully hand print on the markable coloured area then wrap the marker around the cable/tube overlapping the clear part onto the marked area to protect it from water, alcohol, dust, and chemical and atmospheric agents. The fixing margin is important as it protects the marking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

- 🌡️ Temperature range
- -30°C to +80°C
- -22°F to +176°F

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

KM 05025 Wrapping diameter 6÷10mm
Print area (CxB) 15x25mm. Overall length A: 50mm



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÷14mm
Print area (CxB) 25x25mm. Overall length A: 75mm

<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÷38mm
Print area (CxB) 25x25mm. Overall length A: 150mm

<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

KMR

WRAPAROUND CABLE MARKERS

*self adhesive, self laminating,
rounded corners, precut*

END TO PURCHASE



KMR wraparound cable markers hand-printing with permanent pens (see p. 41), are suitable for identifying large diameter cables, tubes and conduit.

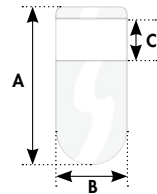
The procedure is quick - carefully hand print on the markable coloured area then wrap the marker around the cable/tube overlapping the clear part onto the marked area to protect it from water, alcohol, dust, and chemical and atmospheric agents. The fixing margin is important as it protects the marking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

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

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

KMR 04620 Wrapping diameter 5 ÷ 8,5mm
 Print area (CxB) 15x20mm. Overall length A: 46mm



Colour	Code	Quantity
<input type="checkbox"/> white	189209	90
<input type="checkbox"/> yellow	184209	90
<input type="checkbox"/> orange	183209	90
<input type="checkbox"/> red	182209	90
<input type="checkbox"/> blue	186209	90
<input type="checkbox"/> green	185209	90

KMR 07020 Wrapping diameter 6,5 ÷ 12,5mm
 Print area (CxB) 25x20mm. Overall length A: 70mm

<input type="checkbox"/> white	189215	60
<input type="checkbox"/> yellow	184215	60
<input type="checkbox"/> orange	183215	60
<input type="checkbox"/> red	182215	60
<input type="checkbox"/> blue	186215	60
<input type="checkbox"/> green	185215	60

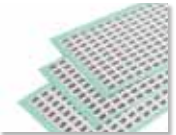
KMR 14520 Wrapping diameter 18 ÷ 36mm
 Print area (CxB) 25x20mm. Overall length A: 145mm

<input type="checkbox"/> white	189223	30
<input type="checkbox"/> yellow	184223	30
<input type="checkbox"/> orange	183223	30
<input type="checkbox"/> red	182223	30
<input type="checkbox"/> blue	186223	30
<input type="checkbox"/> green	185223	30

ANS

WRAPAROUND STRIPS

*alphanumeric,
self adhesive*



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.

ANS Strip size 8x65mm

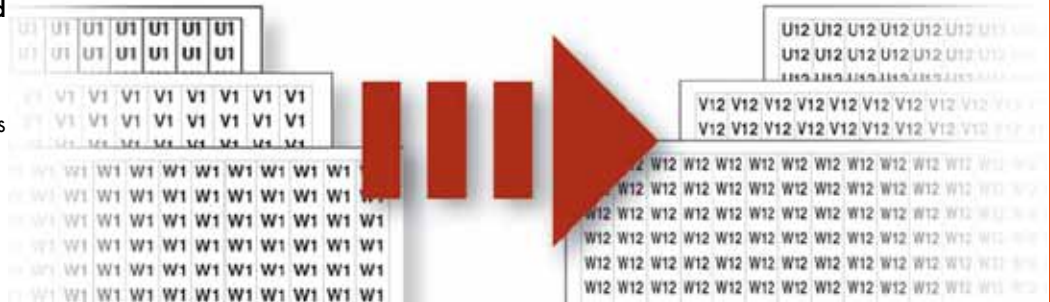
	Colour	Code		Strips per sheet	Quantity
U1 to U12 V1 to V12 W1 to W12	white with black print	25109-...	alphanumeric add the character	20	300
A to Z 0 to 9	white with black print	25109-...	add the character	20	300
	white	25109-	unprinted	20	300

Also available with numeric and alphanumeric combinations and progressions.

Material: Polyester film.
Resistant to water, alcohol, oils and atmospheric agents.
Excellent dimensional stability

- Temperature range
-40°C to +150°C
-40°F to +302°F

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



ANL

Also available with numeric and alphanumeric combinations and progressions.

Material: PVC film

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

Also available with numeric and alphanumeric combinations and progressions.

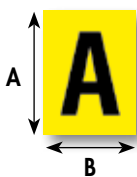
Material: PVC film



ALPHANUMERIC SIGNS



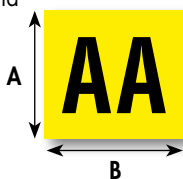
ANL



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
* 374106RF-...	25x16	120
374107-...	38x22	80
* 374107RF-...	38x22	80
374108-...	60x34	25
* 374108RF-...	60x34	25
374109-...	99x56	15
* 374109RF-...	99x56	15
374110-...	124x70	10
* 374110RF-...	124x70	10
374111-...	175x99	5
* 374111AR-...	175x99	1
* 374111RA-...	175x99	1
374112-...	200x148	1
* 374112AR-...	200x148	1
* 374112RA-...	200x148	1
374113-...	297x210	1
* 374113AR-...	297x210	1

*AR: Aluminum undrilled, not adhesive
 *RF: Reflecting film, adhesive
 *RA: Reflecting film on deep Aluminium, not adhesive
 NOTE: Sign with letter "I" is narrower

ANL

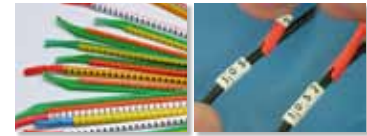


Code	Size AxB mm	Quantity
374101-...	10x12	500
374102-...	13x18	450
374114-...	11x22	300
374103-...	15x20	280
374104-...	20x24	240
374105-...	19x28	240
374106-...	25x32	120
* 374106RF-...	25x32	120
374107-...	38x44	80
* 374107RF-...	38x44	80
374108-...	60x68	25
* 374108RF-...	60x68	25
374109-...	99x112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

*AR: Aluminum undrilled, not adhesive
 *RF: Reflecting film, adhesive
 *RA: Reflecting film on deep Aluminium, not adhesive
 NOTE: Sign with letter "I" is narrower

SM


SNAP-ON CABLE MARKERS



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 120mm² 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: Copolymer, 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

Markers with electrical symbols are identified by the following suffixes:

 SM-01 17400-AC



SM-01 with brown applicator
Cable ext.Ø range 1 ÷ 1,4mm (0.04÷0.05 in.) and c.s.a range 0,25 ÷ 0,35mm² (23÷22 AWG)



Colour	Character	Code	Markers per applicator	Quantity
white	A to Z + - ~ / . ⏚ :	17900-...	30	300
	0 to 9 PLS MNS AC STK DOT GND CLN	add the character		
yellow	A to Z + - ~ / . ⏚ :	17400-...	30	300
	0 to 9 PLS MNS AC STK DOT GND CLN	add the character		
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-+	30	300
	unprinted	17200-	30	300
orange	3	17300-3	30	300
	unprinted	17300-	30	300
yellow	4	17400-4	30	300
	unprinted	17400-	30	300
green	5	17500-5	30	300
	unprinted	17500-	30	300
blue	6	17600-6	30	300
	-	17600--	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	9	17900-9	30	300
	unprinted	17900-	30	300

SM-02 with grey applicator
Cable ext.Ø range 1,4 ÷ 1,8mm (0.05÷0.07 in.) and c.s.a range 0,35 ÷ 0,75mm² (22÷18 AWG)



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



SM-03 with green applicator
 Cable ext.Ø range 1,9 ÷ 2,65mm (0.07÷0.10 in.) and c.s.a range 0,5 ÷ 1mm² (20÷17 AWG)



Colour	Character	Code	Markers per applicator	Quantity
white	A to Z + - ~ / . :	17920-...	30	300
	0 to 9 PLS MNS AC STK DOT GND CLN	add the character		
yellow	A to Z + - ~ / . :	17420-...	30	300
	0 to 9 PLS MNS AC STK DOT GND CLN	add the character		
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
	unprinted	17220-+	30	300
orange		3 17320-3	30	300
	unprinted	17320-	30	300
yellow		4 17420-4	30	300
	unprinted	17420-	30	300
green		5 17520-5	30	300
	unprinted	17520-	30	300
blue		6 17620-6	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		9 17920-9	30	300
	unprinted	17920-	30	300

Markers with electrical symbols are identified by the following suffixes:

~ SM-06 17430-AC

SM-06 with red applicator
 Cable ext.Ø range 2,6 ÷ 3,5mm (0.10÷0.13 in.) and c.s.a range 0,75 ÷ 1,5mm² (18÷15 AWG)



Colour	Character	Code	Markers per applicator	Quantity
white	A to Z + - ~ / . :	17930-...	30	300
	0 to 9 PLS MNS AC STK DOT GND CLN	add the character		
yellow	A to Z + - ~ / . :	17430-...	30	300
	0 to 9 PLS MNS AC STK DOT GND CLN	add the character		
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
	unprinted	17230-+	30	300
orange		3 17330-3	30	300
	unprinted	17330-	30	300
yellow		4 17430-4	30	300
	unprinted	17430-	30	300
green		5 17530-5	30	300
	unprinted	17530-	30	300
blue		6 17630-6	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		9 17930-9	30	300
	unprinted	17930-	30	300



SM-09 with blue applicator
 Cable ext.Ø range 3,25 ÷ 4,5mm (0.13÷0.17 in.) and c.s.a range 1,5 ÷ 2,5mm² (15÷13 AWG)

Colour	Character	Code	Markers per applicator	Quantity
white	A to Z + - ~ / . :	17940-...	30	300
	0 to 9 PLS MNS AC STK DOT GND CLN	add the character		
yellow	A to Z + - ~ / . :	17440-...	30	300
	0 to 9 PLS MNS AC STK DOT GND CLN	add the character		
black	0	17040-0	30	300
	unprinted	17040-	30	300
brown	1	17140-1	30	300
	unprinted	17140-	30	300
red	2	17240-2	30	300
	+	17240-+	30	300
	unprinted	17240-	30	300
orange	3	17340-3	30	300
	unprinted	17340-	30	300
yellow	4	17440-4	30	300
	unprinted	17440-	30	300
green	5	17540-5	30	300
	unprinted	17540-	30	300
blue	6	17640-6	30	300
	-	17640--	30	300
	unprinted	17640-	30	300
violet	7	17740-7	30	300
	unprinted	17740-	30	300
grey	8	17840-8	30	300
	unprinted	17840-	30	300
white	9	17940-9	30	300
	unprinted	17940-	30	300

Markers with electrical symbols are identified by the following suffixes:
 SM-12 17450-AC

SM-12 with yellow applicator
 Cable ext.Ø range 4,5 ÷ 6mm (0.17÷0.23 in.) and c.s.a range 4 ÷ 6mm² (11÷10 AWG)


Colour	Character	Code	Markers per applicator	Quantity
white	A to Z + - ~ / . :	17950-...	30	300
	0 to 9 PLS MNS AC STK DOT GND CLN	add the character		
yellow	A to Z + - ~ / . :	17450-...	30	300
	0 to 9 PLS MNS AC STK DOT GND CLN	add the character		
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-+	30	300
	unprinted	17250-	30	300
orange	3	17350-3	30	300
	unprinted	17350-	30	300
yellow	4	17450-4	30	300
	unprinted	17450-	30	300
green	5	17550-5	30	300
	unprinted	17550-	30	300
blue	6	17650-6	30	300
	-	17650--	30	300
	unprinted	17650-	30	300
violet	7	17750-7	30	300
	unprinted	17750-	30	300
grey	8	17850-8	30	300
	unprinted	17850-	30	300
white	9	17950-9	30	300
	unprinted	17950-	30	300



SM-15 Loose

Cable ext.Ø range 5,8 ÷ 8,5mm (0.22÷0.33 in.) and c.s.a range 10 ÷ 16mm² (7÷5 AWG)



Markers with electrical symbols are identified by the following suffixes:
 SM-17 17470-AC

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

SM-17 Loose

Cable ext.Ø range 8,5 ÷ 11,5mm (0.33÷0.45 in.) and c.s.a range 25 ÷ 35mm² (3÷2 AWG)



Colour	Character	Code	Quantity
white	A to Z + - ~ / . :	17970-...	50
	0 to 9 PLS MNS AC STK DOT GND CLN	add the character	
yellow	A to Z + - ~ / . :	17470-...	50
	0 to 9 PLS MNS AC STK DOT GND CLN	add the character	
black		0 17070-0	50
	unprinted	17070-	50
brown		1 17170-1	50
	unprinted	17170-	
red		2 17270-2	50
	unprinted	17270-+	
orange		3 17370-3	50
	unprinted	17370-	
yellow		4 17470-4	50
	unprinted	17470-	
green		5 17570-5	50
	unprinted	17570-	
blue		6 17670-6	50
	unprinted	17670--	
violet		7 17770-7	50
	unprinted	17770-	
grey		8 17870-8	50
	unprinted	17870-	
white		9 17970-9	50
	unprinted	17970-	



SM-21 Loose

Cable ext.Ø range 11 ÷ 15mm (0.43÷0.59 in.) and c.s.a range 35 ÷ 70mm² (2÷2/0 AWG)




HALOGEN FREE



STM-21
990105
applicator for SM-21



Markers with electrical symbols are identified by the following suffixes:
 SM-24 17490-AC

Colour	Character	Code	Quantity
<input type="checkbox"/> white	A to Z + - ~ / . ⏏ :	17980-...	50
	0 to 9 PLS MNS AC STK DOT GND CLN add the character		
<input checked="" type="checkbox"/> yellow	A to Z + - ~ / . ⏏ :	17480-...	50
	0 to 9 PLS MNS AC STK DOT GND CLN add the character		
<input checked="" type="checkbox"/> black		0 17080-0	50
	unprinted	17080-	50
<input checked="" type="checkbox"/> brown		1 17180-1	50
	unprinted	17180-	50
<input checked="" type="checkbox"/> red		2 17280-2	50
	unprinted	+ 17280-+	50
	unprinted	17280-	50
<input checked="" type="checkbox"/> orange		3 17380-3	50
	unprinted	17380-	50
<input checked="" type="checkbox"/> yellow		4 17480-4	50
	unprinted	17480-	50
<input checked="" type="checkbox"/> green		5 17580-5	50
	unprinted	17580-	50
<input checked="" type="checkbox"/> blue		6 17680-6	50
	unprinted	- 17680--	50
	unprinted	17680-	50
<input checked="" type="checkbox"/> violet		7 17780-7	50
	unprinted	17780-	50
<input checked="" type="checkbox"/> grey		8 17880-8	50
	unprinted	17880-	50
<input type="checkbox"/> white		9 17980-9	50
	unprinted	17980-	50

SM-24 Loose

Cable ext.Ø range 15 ÷ 19mm (0.59÷0.74 in.) and c.s.a range 70 ÷ 120mm² (2/0÷4/0 AWG)



HALOGEN FREE



STM-24
990106
applicator for SM-24

Colour	Character	Code	Quantity
<input type="checkbox"/> white	A to Z + - ~ / . ⏏ :	17990-...	50
	0 to 9 PLS MNS AC STK DOT GND CLN add the character		
<input checked="" type="checkbox"/> yellow	A to Z + - ~ / . ⏏ :	17490-...	50
	0 to 9 PLS MNS AC STK DOT GND CLN add the character		
<input checked="" type="checkbox"/> black		0 17090-0	50
	unprinted	17090-	50
<input checked="" type="checkbox"/> brown		1 17190-1	50
	unprinted	17190-	50
<input checked="" type="checkbox"/> red		2 17290-2	50
	unprinted	+ 17290-+	50
	unprinted	17290-	50
<input checked="" type="checkbox"/> orange		3 17390-3	50
	unprinted	17390-	50
<input checked="" type="checkbox"/> yellow		4 17490-4	50
	unprinted	17490-	50
<input checked="" type="checkbox"/> green		5 17590-5	50
	unprinted	17590-	50
<input checked="" type="checkbox"/> blue		6 17690-6	50
	unprinted	- 17690--	50
	unprinted	17690-	50
<input checked="" type="checkbox"/> violet		7 17790-7	50
	unprinted	17790-	50
<input checked="" type="checkbox"/> grey		8 17890-8	50
	unprinted	17890-	50
<input type="checkbox"/> white		9 17990-9	50
	unprinted	17990-	50

SMT Applicators



SMT-15 Applicator for SM-15	990103	1
SMT-17 Applicator for SM-17	990104	1
SMT-21 Applicator for SM-21	990105	1
SMT-24 Applicator for SM-24	990106	1