

## Technical data sheet

# CMX - PUR Cable Markers

The CMX - PUR Cable Markers are made of a thermoplastic polyether-polyurethane material, which is a halogen free, flame retardant, hydrolysis and micro organism resistant material. The raw material fulfills UL94-V0.

For identification of cables and wires. The markers are supplied on rolls for thermal transfer print.

### DIMENSIONAL DATA

Part	Colour	Text area dimension	Material	Qty	UOM
CMXXLF060012YL	Yellow	60x12 mm	Polyurethan (PUR)	1000	Roll
CMXXLF075015YL	Yellow	75x15 mm	Polyurethan (PUR)	1000	Roll
CMXXLF075025YL	Yellow	75x25 mm	Polyurethan (PUR)	500	Roll
CMXXLF040027YL	Yellow	40x27 mm	Polyurethan (PUR)	500	Roll
CMXXLF060012WH	White	60x12 mm	Polyurethan (PUR)	1000	Roll
CMXXLF075015WH	White	75x15 mm	Polyurethan (PUR)	1000	Roll
CMXXLF075025WH	White	75x25 mm	Polyurethan (PUR)	500	Roll
CMXXLF040027WH	White	40x27 mm	Polyurethan (PUR)	500	Roll
CMXXLF060012RD	Red	60x12 mm	Polyurethan (PUR)	1000	Roll
CMXXLF075015RD	Red	75x15 mm	Polyurethan (PUR)	1000	Roll
CMXXLF075025RD	Red	75x25 mm	Polyurethan (PUR)	500	Roll
CMXXLF040027RD	Red	40x27 mm	Polyurethan (PUR)	500	Roll
CMXXLF060012BK	Black	60x12 mm	Polyurethan (PUR)	1000	Roll
CMXXLF075015BK	Black	75x15 mm	Polyurethan (PUR)	1000	Roll
CMXXLF075025BK	Black	75x25 mm	Polyurethan (PUR)	500	Roll
CMXXLF040027BK	Black	40x27 mm	Polyurethan (PUR)	500	Roll
CMXXLF060012BL	Blue	60x12 mm	Polyurethan (PUR)	1000	Roll
CMXXLF075015BL	Blue	75x15 mm	Polyurethan (PUR)	1000	Roll
CMXXLF075025BL	Blue	75x25 mm	Polyurethan (PUR)	500	Roll
CMXXLF040027BL	Blue	40x27 mm	Polyurethan (PUR)	500	Roll

### Colours

White (PUM04) and yellow (PUM06), red (PUM05) and black (PUM09)

Orange (PUM07), blue, green on request

### Material

Thermoplastic Polyether-Polyurethane (PUR)

### Operating temperature

-25°C up to +80°C.

### Specifications

- Adherence: MIL81531 (SAE-AS81531-1998 Clause 3.4.2/4.6.2)  
Passed with following black ribbon: FTI-Y

- Resistance to solvents:  
MIL-STD-202G test method 215(2002)  
(MIL81531/SAE-AS81531-1998 Clause 3.4.3.)  
Passed with following black ribbon: FTI-Y

### Storage

Cool and dry in original packaging



### Notes:

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We reserve the right to modify characteristics with the aim of improving the product and adapting it to the requirements of the market.

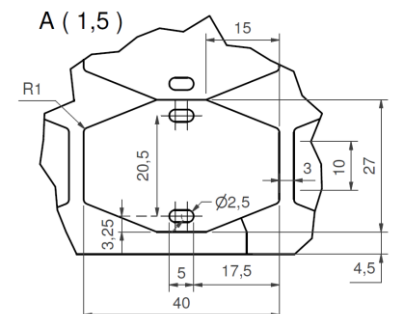
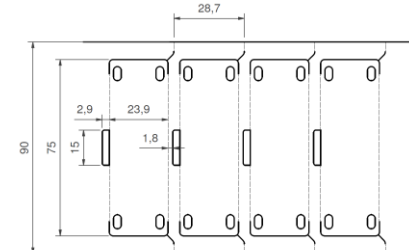
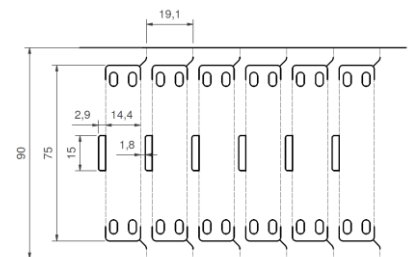
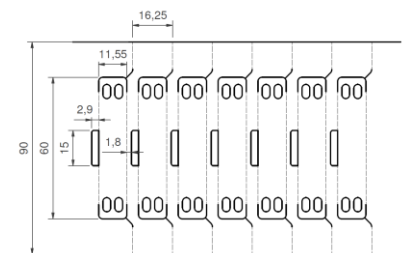
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### PHYSICAL DATA

Properties	Test Method	Typical Value
Hardness	DIN 53505	58 Shore D
Density	DIN 53479	1,27 g/cm <sup>3</sup>
Tensile Strength	DIN 53504	30 MPa
Elongation at break	DIN 53504	400%
Stress at 20% elongation	DIN 53504	13 MPa
Stress at 100% elongation	DIN 53504	19 MPa
Stress at 300% elongation	DIN 53504	33 MPa
Tear Strength	DIN 53515	110 N/mm
Abrasion Loss	DIN 53516	30 mm <sup>3</sup>
Compression set at room temperature	DIN EN ISO 815	30%
Compression set at 70°C	DIN EN ISO 815	45%
Tensile strength after storage in water at 80°C for 42 days	DIN 53504	20MPa
Elongation at break after storage in water at 80°C for 42 days	DIN 53504	400%
Notched impact strength (Charpy) +23°C	DIN EN ISO 179	50 kJ/m <sup>2</sup>
Notched impact strength (Charpy) -30°C	DIN EN ISO 179	3 kJ/m <sup>2</sup>

The indicated values are representative values.



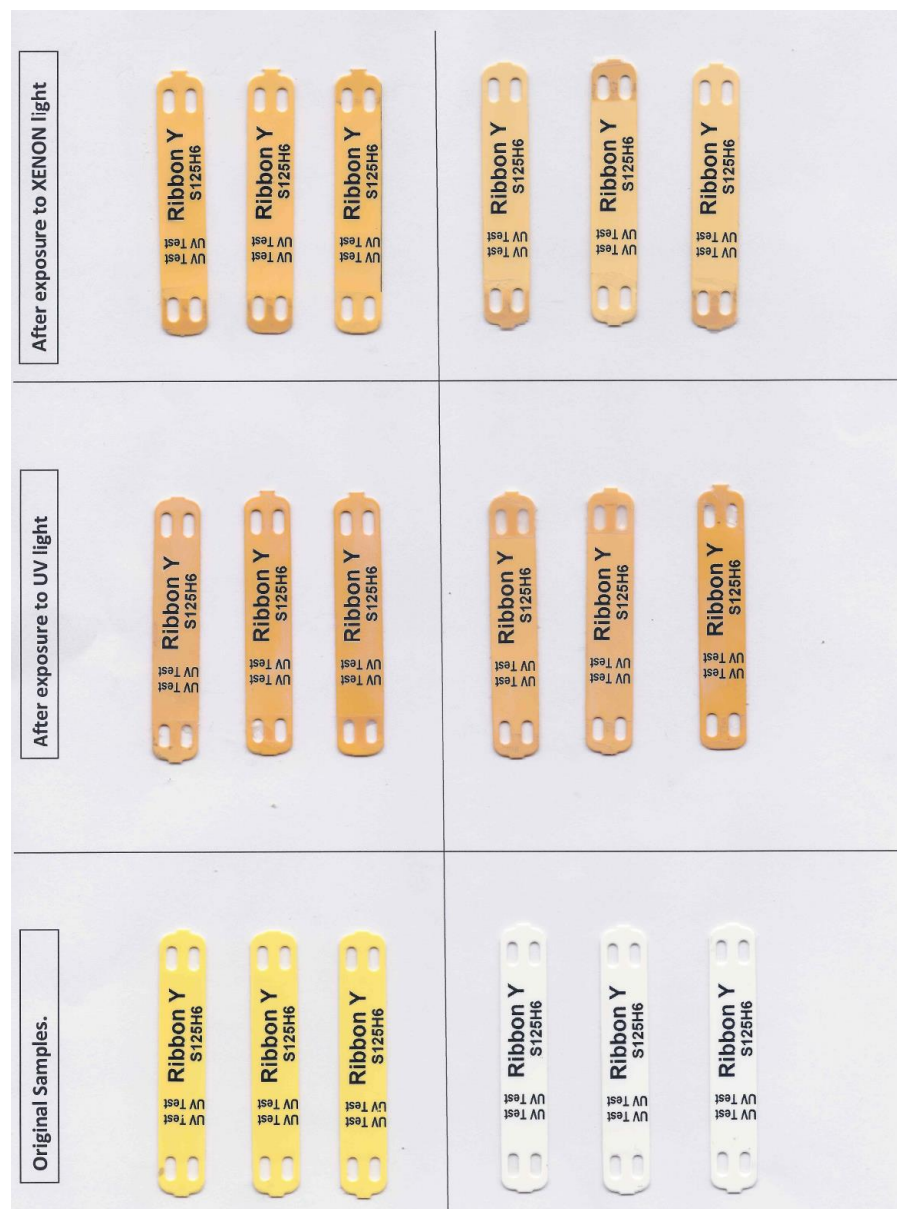
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## UV STABILITY DATA

Results of accelerated ageing testing are as a result of artificial lighting/illumination in a laboratory.

Duration of test is 500 hours, which equals 10 years exposure.

### TEST with UV lamp UV (340)

- Light 60 ° irradiation 0.76 W/m<sup>2</sup> duration 8 hours
- Spray duration 15 min.
- Condensation 50 ° duration 3,45 hour.

### TEST with XENON lamp, XENON (340)

- Light 65 ° c irradiation 0.50 W/m<sup>2</sup> duration 1,42 hours
- Light + Spray duration 0.60 W/m<sup>2</sup> duration 18 min.

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