CMZ
Cable Marker: Zero Halogen

- Zero Halogen
- UV Stable print quality
- Flame Retardant
- High tear strength protection
- Print Performance to Military requirements
- Three colours- white-yellow-red
- High degree of mark permanence

General information

The ProSleeve CMZ cable marker is specifically designed for the marking of cables, particularly along it's route. It is extremely strong with high tear strength properties, suitable for a variety of applications where legible and durable identification is required.

The standard range comprises three different colours. The markers are supplied on rolls for thermal transfer printing, which means production, storage and picking are easy and convenient.

The raw material is rated V-0 according to UL94. The material is hydrolysis resistant which means the material will not break down in reaction to water. The material is also resistant to bacteria attacks. For use in harsch chemical environments the combination of the CMZ material and ribbon type 510 shows great fluid resistance.

technical information

Approvals and Standards
Certified and issued to:

- Mark Permance: MIL-M 81531 AS
- Fluid Resistance: MIL-STD-202G test method 215 2002
- Enhanced Fluid Test beyond MIL-202G

Property	Value	Test Method According To
Hardness	58 Shore D	DIN 53505
Density	1,27 g/cm³	DIN EN ISO 1183-1-A
Tensile Strength	30 MPa	DIN 53504-S2
Elongation at break	400%	DIN 53504-S2
Stress at 20% elongation	13 MPa	DIN 53504-S2
Stress at 100% elongation	19 MPa	DIN 53504-S2
Stress at 300% elongation	33 MPa	DIN 53504-S2
Tear Strength	110 N/mm	DIN ISO 34-1Bb
Abrasion Loss	30 mm³	DIN ISO 4649-A
Compression set at room temperature	30%	DIN ISO 815
Compression set at 70°C	45%	DIN ISO 815
Tensile strength after storage in water at 80°C for 42 days	20MPa	DIN 53504-S2
Elongation at break after storage in water at 80°C for 42 days	400%	DIN 53504-S2
Notched impact strength (Charpy) +23°C	50 kj/m²	DIN EN ISO 179-1
Notched impact strength (Charpy) -30°C	3 kj/m²	DIN EN ISO 179-1
Uv stability	Standard 6 Min	BS G 198 (Colour Fastness)

APPLICATION

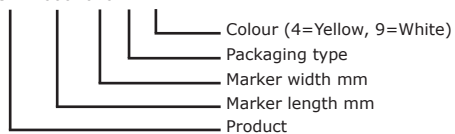| Additional Information |
| --- |
| Printer and Ribbon Recommended |
| Printer: 300dpi MK10 |
| Ribbon: MK10-RB-BK510-110 |
| MK10-RB-WE170-110 |
| Print Performance: - |
| Adherence: MIL81531 (SAEAS81531-1998 Clause 3.4.2/4.6.2) |
| Passed with following ribbons: MK10-RB-WE170-110 |
| Solvents: Enhanced solvent test beyond Mil-202G test method |
| Passed with following ribbons: MK10-RB-BK510-110 |
| Store in original packaging |
| Recommended temp. at +10°C to 25°C 45-55% R.H. |
| Use within 3 years from date of manufacture |

PRODUCT AND ORDER INFORMATION

Marker Size (mm) LxW	Text Area	Markers /box	Art no.
60x10mm	40x10mm	1450	CMZ06010LR*
75x15mm	55x15mm	1100	CMZ07515LR*
90x25mm	70x25mm	750	CMZ09025LR*
*= colour (4= Yellow, 9=White)			

Ordering Information Example

CMZ 060 010 LR *

- Colour (4=Yellow, 9=White)
- Packaging type
- Marker width mm
- Marker length mm
- Product