

Technical data sheet

CMZH Cable Markers



The CMZH Cable Markers are made of extruded, cross-linked, halogen free and flame retardant polyolefin compound. For identification of cables and wires. The markers are supplied on rolls for thermal transfer print in a one material construction.

Dimensional data

Part	Colour	Text area dimension	Material	Qty	UOM
CMZH-060x012-YW	Yellow	60 x12 mm	POX	1000	Roll
CMZH-075x015-YW	Yellow	75 x 15 mm	POX	1000	Roll
CMZH-075x025-YW	Yellow	75 x 25 mm	POX	500	Roll
CMZH-060x012-WE	White	60 x12 mm	POX	1000	Roll
CMZH-075x015-WE	White	75 x 15 mm	POX	1000	Roll
CMZH-075x025-WE	White	75 x 25 mm	POX	500	Roll

Physical

Properties	Test Method	Typical value
Tensile strength	ASTM D 638	13 N/mm ²
Elongation at break	ASTM D 638	200%
Longitudinal change	ASTM D 2671	≤+5%, ≤-10%
Water absorption	ASTM D 570	≤0,15%
Specific gravity	ASTM D 792	1.4 g/cm ³

Colours

Yellow, white, black, light red and light blue. Light green and orange upon request and subject to minimum volumes

Material

Extruded, cross-linked polyolefin

Operating temperature

-30°C up to +105°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:

This information and data is believed to be accurate and reliable. Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of this date, Link Solutions makes no representations as to the completeness or accuracy thereof. We place at your disposal the technical information necessary for the correct use of our products. As conditions and methods of use are beyond our control, it is suggested that the person receiving the same will make their own determination as to the suitability for their purpose.

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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Electrical

Properties	Test Method	Typical value
Dielectric strength	ASTM D 2671	20 kV/mm ²
Volume resistivity	ASTM D 257	10 ¹⁴ Ω cm

Chemical

Properties	Test method	Typical value
Fungus resistance	AMS-DTL-7444	Inert, no growth
Chemical resistance	AMS-DTL-23053/5	Good
Copper corrosion	ASTM D 2671B	No corrosion
Oxygen index	ASTM D 2863	36%

Thermal

Properties	Test method	Typical value
Heat shock 4 hours at 175°C	ASTM D 2671	No dripping, cracking or flowing
Heat aging 168 hours at 150°C	ASTM D 638	Elongation 100%
Low temperature flexibility -30°C	ASTM D 2671C	No cracking
Flammability	ASTM D 635	Pass » flame retardant

Smoke density

Standards	Flame propagation	Toxicity	Smoke density	Low Oxygen Index
BS 6853	ISO 4589-2 Annex A	BS 6853 Ap. B1 or NF X-70-100	BS 6853 D8.3	ISO 4589-2
NF F-16 101	NF T 51-071 & NF C 20-455	NF X 70-100	NF X 10-702	ISO 4589-2
NFPA130	ASTM 162	BSS 7239	ASTM 662	
EN 45545-2	DIN 60332-1-2	NF X 70-100 600°C	EN 61034-2	ISO 4589-2
DIN 5510-2	DIN 54837	DIN ISO 5659	DIN ISO 5659	
UNI CEI 11170-3 cl LR4	ISO 11925-2:2010	NF X 70-100	NF X 10-702	

The indicated values are representative values.



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