

Part Number CB-MTRO

Header CB-MTRO 3X High Temperature Heat Shrink Marker Sleeve

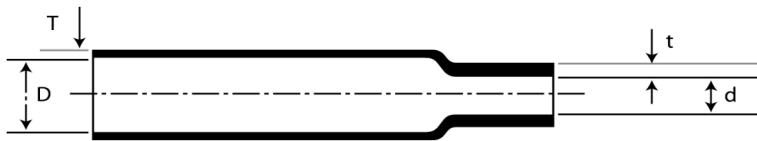
Description CB-MT RO is used to identify wire and cable, tools, hoses and equipment in operating environments where temperatures range from -55°C to 135°C. It has excellent resistance to oil, fuel and chemical solvents and has a high abrasive tolerance. This tubing can be custom printed with words and symbols on both sides by thermal transfer equipment and all markings are permanent after printing. Available in a 3:1 shrink ratio and in many different sizes and shapes. Certificate: UL, CUL, Sony Green Partner Standard: SAE-AS81531-MIL-STD-202, AMS-DTL-23053/5. Color: flat white and yellow.

Agency Approval & Compliance UL, CUL, RoHS, MIL Spec, Flame Retardant, REACH, VW1

Application CB-MT RO is used to identify wire and cable, tools, hoses and equipment in high temperature operating environments.

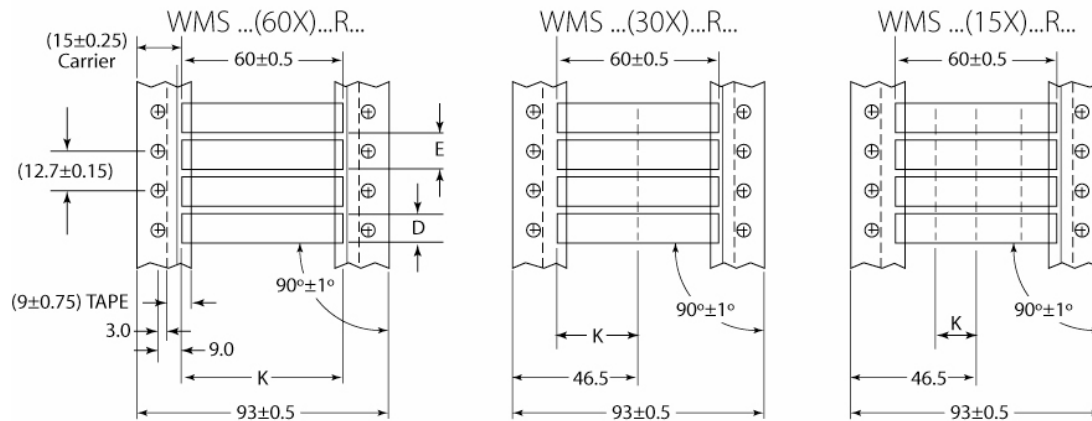
Shrink Ratio and Operating Temperature 3:1, -55°C~135°C

Size



Size CB-MTRO 3X (continuous & card type)						
Specification	Dimension before shrinkage (mm)		Dimension before shrinkage (mm)		Continuous packing (m/plate)	Quantity per reel cassette packaging
	Diameter (D)	Thickness (T)	Diameter (d)	Thickness (t)		
Φ2.4	≥2.4	0.22±0.05	≤0.8	0.53±0.08	30	2000
Φ3.2	≥3.2	0.22±0.05	≤1.1	0.58±0.08	30	2000
Φ4.8	≥4.8	0.22±0.05	≤1.6	0.58±0.08	30	2000
Φ6.4	≥6.4	0.22±0.05	≤2.1	0.58±0.08	30	1500
Φ9.5	≥9.5	0.20±0.05	≤3.2	0.61±0.08	30	1500
Φ12.7	≥12.7	0.20±0.05	≤4.2	0.61±0.08	30	500
Φ19.1	≥19.1	0.20±0.05	≤6.4	0.61±0.08	30	500
Φ25.4	≥25.4	0.20±0.05	≤8.5	0.64±0.08	30	250
Φ38.1	≥38.1	0.30±0.06	≤12.7	1.00±0.15	30	250
Φ50.8	≥50.8	0.30±0.06	≤17.0	1.00±0.18	30	250

CARD TYPE (See Dimensions & Standards table below)



Pre-score Dimensions & Standards (CARD TYPE)

Size	Tube Spacing mm (E)	Tube Length (K) – Full (mm)	Tube Length (K) – Half (mm)	Tube Length (K) – Quarter (mm)
Φ2.4 (2X, 3X)	11.0±0.5	60.0±0.5	30.0±0.5	15.00±0.25
Φ3.2 (2X, 3X)	11.0±0.5	60.0±0.5	30.0±0.5	15.00±0.25
Φ4.8 (2X, 3X)	13.6±0.5	60.0±0.5	30.0±0.5	15.00±0.25
Φ6.4 (2X, 3X)	16.6±0.5	60.0±0.5	30.0±0.5	15.00±0.25
Φ9.5 (2X, 3X)	21.6±0.5	60.0±0.5	30.0±0.5	15.00±0.25
Φ12.7 (2X, 3X)	26.8±0.5	60.0±0.5	30.0±0.5	15.00±0.25
Φ19.1 (2X, 3X)	38.2±0.5	60.0±0.5	30.0±0.5	15.00±0.25
Φ25.4 (2X, 3X)	47.7±0.5	60.0±0.5	30.0±0.5	15.00±0.25
Φ38.1 (2X, 3X)	69.0±0.5	60.0±0.5	30.0±0.5	15.00±0.25
Φ50.8 (2X, 3X)	87.7±0.5	60.0±0.5	30.0±0.5	15.00±0.25

Typical Properties

Item		Specifications
Shrink Temperature (°C)		110
Operating Temperature Range (°C)		—55°C~125°C
Tensile Strength (Mpa)		≥10.4
Ultimate Elongation (%)		≥200
Radial shrinking ratio (%)		≥50
Longitudinal Change (%)		±10
Aging in Circulating-air Oven		158.0±1.0°C, 168hrs
After Aging	Tensile Strength (Mpa)	≥7.3
	Ultimate Elongation (%)	≥100
Volume Resistivity (Ω cm)		≥10 ¹²
Sealing		>1 X 10 ⁸

Availability Master spools, ladder reels and cut pieces

Important Notice The information related to Thermosleeve-USA products both in printed or electronic format is believed to be reliable but the accuracy and completeness is not guaranteed. We suggest that before using this product, you evaluate and determine if it is suitable to your intended application. Thermosleeve-USA assumes no risk or liability associated with the use of this material. Any statements related to this product that are not contained in the current Thermosleeve-USA online or printed literature, or any contrary statements referenced on purchase order, shall have no force or effect unless expressly agreed to in writing and signed by an office of Thermosleeve-USA.

Limited Warranty/Limited Liability Thermosleeve-USA offers no guarantees in respect to the accuracy of the information detailed in this document and accepts no explicit or applied liability as to the products use. In no instance will Thermosleeve-USA be liable for any eventual, indirect or consequential damage or damages arising from the sale, resale, transfer, use or misuse of the product. Thermosleeve-USA specifications are subject to change without notice; including changes in materials and processing that do not affect compliance of the products specification. Thermosleeve-USA guarantees the product to be free from defects in material and manufacturing at the time of purchase. If this product is found to be defective within the warranty period, at our option we will refund the purchase price, replace or repair the Thermosleeve-USA product.