



FLAME
RETARDANT



2:1
STANDARD
SHRINK RATIO



CZM 200

Zero Halogen, Heat Shrink Tubing for use in contained areas including: underground transportation systems, offshore, military and aerospace applications

Features

- Flame retardant
- Low smoke generation - excellent fire safety characteristics
- Flexible
- Abrasion resistant
- Meets: DEF STAN 59-97, Issue 3, Type 8
- Continuous operating temperature: -40°C to 105°C
- Shrink temperature: 120°C



Technical Data

Physical

Property	Test Method	Typical Performance
Tensile Strength	ASTM D2671, ISO 37	1500 psi (10.4 MPa)
Elongation	ASTM D2671, ISO 37	250%
Longitudinal Change	ASTM D2671	+1, -10%
2% Secant Modulus	ASTM D2671	16000 psi (110 MPa)
Specific Gravity	ASTM D792, ISO R1183	1.3
Elongation after Heat Aging (168hrs at 135°C)	ASTM D2671	180%
Heat Shock (4hrs at 150°C)	ASTM D2671	No cracking or flowing
Low Temperature Flexibility (4hrs at -40°C)	ASTM D2671	No cracking or splitting
Smoke Index	NES 711	5
Toxicity Index	NES 713	4
Flame Temperature Index	NES 715	290
Flammability	ASTM D2671	Flame Retardant

Electrical

Dielectric Strength	ASTM D2671, IEC 243	600 V/Mil (24kV/mm)
Volume Resistivity	ASTM - D2671	10 ¹⁶ ohm-cm

Chemical

Fluid Resistance	DEF STAN 59-97, ISO 1817, ISO 37	Good to Excellent
Copper Corrosion	ASTM D2671	No Corrosion
Water Absorption	ASTM D570	0.2%
Fungus Resistance	ASTM G21	No Growth

CANUSA-EMI

There's no end to what we cover

CANUSA-EMI is a global company providing electrical and mechanical insulation solutions for a variety of industries and applications. Starting from products created by extensive developmental research at Shaw Industries (incorporated 1955), CANUSA-EMI is a recognized world leader in the provisioning of high quality heat shrink products.

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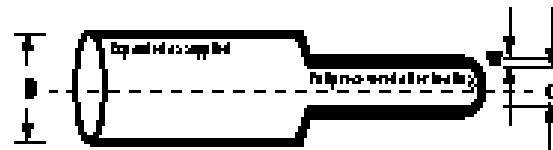
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Dimensions

ORDER REF. NO. METRIC	X	Y	EXPANDED			RECOVERED			STANDARD LENGTHS	
			INTERNAL DIAMETER (MIN)	INTERNAL DIAMETER (MAX)	WALL THICKNESS (NOM)	AA	BB			
0024	0094	2.4	0.094	1.2	0.047	0.70	0.027	75	200	
0030	0125	3.0	0.125	1.5	0.059	0.70	0.027	75	200	
0050	0187	5.0	0.187	2.5	0.098	0.85	0.033	75	200	
0064	0250	6.4	0.250	3.2	0.125	0.85	0.033	75	200	
0080	0312	8.0	0.312	4.0	0.157	0.85	0.033	75	200	
0095	0375	9.5	0.375	4.8	0.188	1.20	0.047	30	100	
0120	0500	12.0	0.500	6.0	0.236	1.20	0.047	30	100	
0160	0625	16.0	0.625	8.0	0.312	1.35	0.053	30	100	
0180	0709	18.0	0.709	9.0	0.354	1.40	0.055	1.2	4	
0240	1000	24.0	1.000	12.0	0.472	1.80	0.071	1.2	4	
0320	1500	32.0	1.500	16.0	0.625	1.80	0.071	1.2	4	
0400	1250	40.0	1.250	20.0	0.787	1.80	0.071	1.2	4	
0500	2000	50.0	2.000	25.0	0.984	1.80	0.071	1.2	4	
0600	2362	60.0	2.362	30.0	1.181	1.80	0.071	1.2	4	



Ordering

Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resultant wall thickness will be less than specified.

To Order in Metric Units:

CZM 200 - ^{Order Ref. No.}XXXX - ^{Options}CC - OO - AA - M
Color Standard Length

To Order in Imperial Units:

CZM 200 - ^{Order Ref. No.}YYYY - ^{Options}CC - OO - BB - I
Color Standard Length

Standard Colors (CC)

Order Code	Color
BK	BLACK
YW	YELLOW
WE	WHITE

* For additional colors please see price list.

Options (OO)

Unprinted	00
Printed	01

Lengths: Available in continuous reels or 48" (1.2m) lengths.

Standards: DEF STAN 59-97, Issue 3, Type 8

Note: Non-standard colors, sizes and lengths available subject to factory quotation.