



ELECTRICAL
MECHANICAL
INSULATION

CSNUSA
EMI



FLAME
RETARDANT



2:1
STANDARD
SHRINK RATIO

Thin Wall Halogen Free
Crosslinked Polyolefin

CZT 200



CZT 200

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

Features

- Low smoke generation - excellent fire safety characteristics
- Flexible
- Flame retardant
- 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 D2637, 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
Restricted Shrinkage	ASTM D2671	No Cracking
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
Flammability	ASTM D2671	Flame Retardant
Smoke Index	NES 711	5
Toxicity Index	NES 713	4
Flame Temperature Index	NES 715	290

Electrical

Dielectric Strength	ASTM D2671, IEC243	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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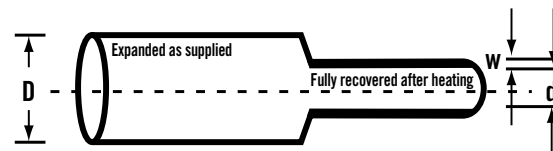
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Dimensions

ORDER REF. NO. METRIC	IMPERIAL	EXPANDED			RECOVERED			STANDARD LENGTHS				
		INTERNAL DIAMETER (MIN)	INTERNAL DIAMETER (MAX)	WALL THICKNESS (NOM)	INTERNAL DIAMETER (MIN)	INTERNAL DIAMETER (MAX)	WALL THICKNESS (NOM)	AA	BB			
XXXX	YYYY	mm	D	IN	mm	d	IN	mm	w	IN	AA	BB
0016	0062	1.6	1/16		0.8	1/32		0.45	0.018		150	1000
0024	0094	2.4	3/32		1.2	3/64		0.51	0.020		150	1000
0032	0125	3.2	1/8		1.6	1/16		0.51	0.020		150	1000
0048	0187	4.8	3/16		2.4	3/32		0.51	0.020		75	1000
0064	0250	6.4	1/4		3.2	1/8		0.64	0.025		75	500
0095	0375	9.5	3/8		4.8	3/16		0.64	0.025		75	200
0127	0500	12.7	1/2		6.4	1/4		0.64	0.025		50	200
0160	0625	16.0	5/8		8.0	5/16		0.64	0.025		50	200
0190	0750	19.0	3/4		9.5	3/8		0.76	0.030		50	100
0254	1000	25.4	1		12.7	1/2		0.89	0.035		30	100
0320	1250	32.0	1 1/4		16.0	5/8		0.89	0.035		30	100
0381	1500	38.1	1 1/2		19.0	3/4		1.02	0.040		30	100
0508	2000	50.8	2		25.4	1		1.14	0.045		15	100
0762	3000	76.2	3		38.1	1 1/2		1.27	0.050		15	50
1016	4000	101.6	4		50.8	2		1.40	0.055		15	50



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:

Order Ref. No. Options
CZT 200 - XXXX - CC - OO - AA - M
 Color Standard Length

To Order in Imperial Units:

Order Ref. No. Options
CZT 200 - YYYY - 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: Supplied on continuous reels.

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

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