



ELECTRICAL
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INSULATION

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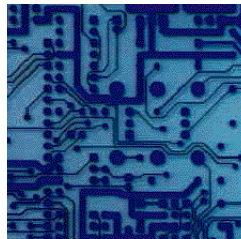


FLAME
RETARDANT



3:1
STANDARD
SHRINK RATIO

Thin Wall
Crosslinked Polyolefin **CPX 300**



CPX 300

General purpose Heat Shrink Tubing
with a high Shrink Ratio

Features

- High Shrink Ratio is ideal for covering irregularly-sized objects
- Resistant to common fluids and solvents
- Flame retardant
- Flexible
- Meets: UL224, 125°C; CSA C22.2 No. 198.1, 125°C; MIL-DTL-23053/5 Class 1&2; DEF STAN 59-97 Issue 3, Type 2a
- Continuous operating temperature: -55°C to 135°C
- Shrink temperature: 120°C



Technical Data

Physical

Property	Test Method	Typical Performance
Tensile Strength	ASTM D2671, ISO 37	2200 psi (15.0 MPa)
Elongation	ASTM D2671, ISO 37	400%
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 2671	No Cracking
Elongation after Heat Aging (168hrs at 175°C)	ASTM D2671	350%
Heat Shock (4hrs at 250°C)	ASTM D2671	No cracking or flowing
Low Temperature Flexibility (4hrs at -55°C)	ASTM D2671	No cracking or splitting
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	MIL-DTL-23053/5, ISO 1817, ISO 37	Good to Excellent
Copper Corrosion	ASTM D2671	No Corrosion
Water Absorption	ASTM D570	0.3%
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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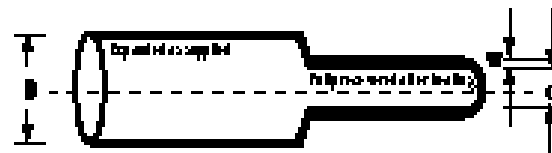
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Dimensions

ORDER REF. NO. METRIC	ORDER REF. NO. IMPERIAL	EXPANDED		RECOVERED				STANDARD LENGTHS	
		INTERNAL DIAMETER (MIN)		INTERNAL DIAMETER (MAX)	WALL THICKNESS (NOM)		AA m	BB FT	
XXXX	YYYY	mm	D IN	mm	d IN	mm	w IN		
0032	0125	3.2	1/8	1.10	0.042	0.51	0.020	150	1000
0048	0187	4.8	3/16	1.60	0.063	0.70	0.020	60	1000
0064	0250	6.4	1/4	2.10	0.083	0.66	0.260	60	500
0095	0375	9.5	3/8	3.20	0.125	0.76	0.030	60	200
0127	0500	12.7	1/2	4.20	0.197	0.76	0.030	60	200
0191	0750	19.1	3/4	6.40	0.250	0.84	0.033	60	100
0254	1000	25.4	1	8.50	0.333	0.99	0.039	30	100
0381	1500	38.1	1 1/2	12.70	0.500	1.14	0.045	30	100



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:

CPX 300 - XXXX - CC - OO - AA - M
Order Ref. No. Options Color Standard Length

To Order in Imperial Units:

CPX 300 - YYYY - CC - OO - BB - I
Order Ref. No. Options Color Standard Length

Standard Colors (CC)

Order Code	Color	Order Code	Color
BK	BLACK	BE	BLUE
RD	RED	YW	YELLOW
WE	WHITE	GN	GREEN
CR	CLEAR		

* For additional colors please see price list.

* Clear is not flame retardant

Options (OO)

Unprinted	00
Printed	01

Lengths: Supplied on continuous reels

Standards: UL 224, 125°C; CSA C22.2, 125°C; MIL-DTL-23053/5
Class 1&2; DEF STAN 59-97, Issue 3, Type 2a

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