



CPX 100 - THIN WALL CROSSLINKED POLYOLEFIN

Flexible, flame retardent, multi-purpose heat shrink tubing.

FEATURES AND BENEFITS

- Flame retardant (colors only)
- Resistant to common fluids and solvents
- Economical mechanical protection for terminal strain relief and wire bundling
- Shrink ratio: 2:1
- Continuous operating temperature: -55°C to 135°C
- Shrink temperature: 90°C min.

STANDARDS

- UL 224, 125°C VW-1 (colors only) - UL file # YDPU2.E63390
- CSA C22.2 No. 198.1, 125°C - CSA file # 256317 & 065781_0_000
- AMS 3636, 3637 and 3587
- UL/CSA approval applies to black and colors only
- Approved to automotive OEM specifications

TYPICAL APPLICATIONS

- Electrical insulation of wire splices and terminals
- Strain relief of wire terminations
- Protects components from abrasion and fluids



2:1
SHRINK RATIO

-55°C to 135°C
(-67°F to 275°F)
CONTINUOUS OPERATING
TEMPERATURE

MARKETS:
Automotive, Industrial

STANDARDS:



Thin wall crosslinked polyolefin

DIMENSIONS

ORDER NUMBER	EXPANDED		RECOVERED				DELIVERY UNITS	
	Internal Diameter (min)		Internal Diameter (max)		Total Wall Thickness (nom)		Lengths	
	MM	IN	MM	IN	MM	IN	M	FT
0047	1.2	3/64	0.6	3/128	0.41	0.016	300	1000
0063	1.6	1/16	0.8	1/32	0.43	0.017	300	1000
0094	2.4	3/32	1.2	3/64	0.51	0.020	300	1000
0125	3.2	1/8	1.6	1/16	0.51	0.020	300	1000
0187	4.8	3/16	2.4	3/32	0.51	0.020	300	1000
0250	6.4	1/4	3.2	1/8	0.64	0.025	150	500
0375	9.5	3/8	4.7	3/16	0.64	0.025	150	500
0500	12.7	1/2	6.4	1/4	0.64	0.025	60	200
0625	16.0	5/8	8.0	5/16	0.76	0.030	60	200
0750	19.0	3/4	9.5	3/8	0.76	0.030	30	100
1000	25.4	1	12.7	1/2	0.89	0.035	30	100
1250	32.0	1 1/4	16.0	5/8	0.89	0.035	30	100
1500	38.1	1 1/2	19.0	3/4	1.02	0.040	30	100
2000	50.8	2	25.4	1	1.14	0.045	30	100
3000	76.2	3	38.0	1 1/2	1.27	0.050	15	50
4000	101.6	4	50.8	2	1.40	0.055	15	50

ORDERING

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

- Select options:
 - Color: Black (BK), red (RD), white (WT), clear (CL), blue (BL), yellow (YL)
 - Length: Standard stick, spool or custom lengths
- Please specify the product name, order number and options you require
- Example:* CPX 100, 0375, black, 500 ft

Please contact your Customer Service Representative for information on custom colors, sizes, lengths and material data sheet.

TECHNICAL DATA

PROPERTY	TEST METHOD	TYPICAL PERFORMANCE
Physical		
Tensile Strength	ASTM D2671, ISO 37	2,200 psi (15.0 MPa)
Elongation	ASTM D2671, ISO 37	400%
Longitudinal Change	ASTM D2671	±5%
2% Secant Modulus	ASTM D2671	16,000 psi (110 MPa)
Specific Gravity	ASTM D792, ISO R1183	1.3 (colours), 0.95 (clear)
Restricted Shrinkage	ASTM D2671	No cracking
Elongation after Heat Aging (168 hr at 175°C)	ASTM D2671	350%
Heat Shock (4hr at 250°C)	ASTM D2671	No cracking or flowing
Low Temperature Flexibility (4 hr at -55°C)	ASTM D2671	No cracking or flowing
Flammability	ASTM D2671, Proc. B	Flame retardant (except clear)
Electrical		
Dielectric Strength	ASTM D2671, IEC 243	600 V/mil (24 kV/mm)
Volume Resistivity	ASTM D2671	10 ¹⁶ ohm-cm
Chemical		
Fluid Resistance	Hydraulic fluid, JP-8, lubricating oil, 5% NaCl, deicing fluid	Good to Excellent
Copper Corrosion	ASTM D2671	No Corrosion
Water Absorption	ASTM D570	0.2%
Fungus Resistance	ASTM G21	No growth

FOR FURTHER INFORMATION, PLEASE CONTACT:

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