



ELECTRICAL
MECHANICAL
INSULATION

CPANUSA



Thin Wall Adhesive-Lined
Crosslinked Polyolefin

CPA 100

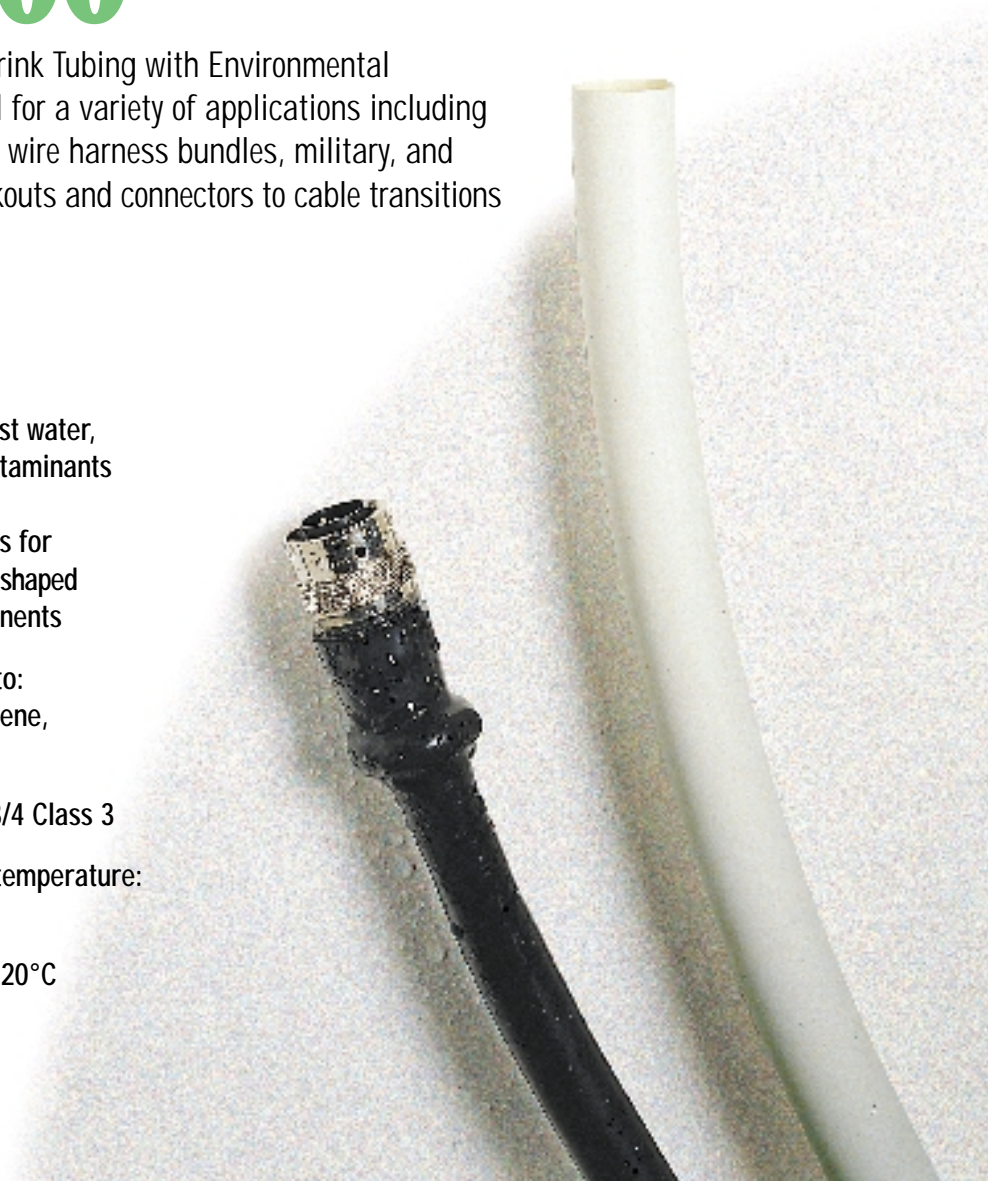


CPA 100

Adhesive lined Heat Shrink Tubing with Environmental Sealing capability ideal for a variety of applications including automotive and marine wire harness bundles, military, and industrial splices, breakouts and connectors to cable transitions

Features

- Flame retardant
- Superior sealing against water, moisture, or other contaminants
- High shrink ratio allows for coverage of irregularly shaped connectors and components
- Inner adhesive bonds to: plastics, rubber, neoprene, steel and polyethylene
- Meets: MIL-DTL-23053/4 Class 3
- Continuous operating temperature: -55°C to 110°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/- 15%
2% Secant Modulus	ASTM D2671	16000 psi (110 MPa)
Specific Gravity	ASTM D792, ISO R1183	1.1
Heat Resistant Properties (168hrs at 175°C)	MIL-DTL-23053/4	No cracking or flowing of outer wall
Heat Shock (4hrs at 250°C)	ASTM D2671	No cracking or flowing of outer wall
Low Temperature Flexibility (4hrs at -55°C)	ASTM D2671	No cracking
Flammability	ASTM D2671	Flame Retardant (outer wall)

Electrical

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

Chemical

Fluid Resistance	MIL-DTL-23053/4, 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

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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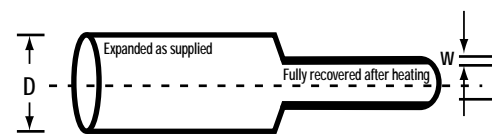
WORLDWIDE WEB: www.canusa-emi.com

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Dimensions

ORDER REF. NO. METRIC	EXPANDED INTERNAL DIAMETER (MIN)	EXPANDED		INTERNAL DIAMETER (MAX)		RECOVERED WALL THICKNESS (NOM)		NOMINAL MELTABLE WALL THICKNESS		STANDARD LENGTHS	
		mm	D	IN	mm	d	IN	mm	W	IN	AA
XXXX	YYYY										
0032	0125	3.2	1/8	0.6	0.023	1.0	0.038	0.5	0.020	1.2	48
0047	0187	4.7	3/16	1.5	0.060	1.2	0.045	0.6	0.025	1.2	48
0064	0250	6.4	1/4	2.0	0.080	1.3	0.047	0.7	0.027	1.2	48
0079	0312	7.9	5/16*	2.7	0.104	1.3	0.048	0.7	0.027	1.2	48
0095	0375	9.5	3/8*	3.4	0.135	1.3	0.050	0.8	0.030	1.2	48
0127	0500	12.7	1/2*	5.0	0.195	1.4	0.055	0.9	0.035	1.2	48
0191	0750	19.1	3/4*	8.0	0.313	1.7	0.065	1.0	0.040	1.2	48
0254	1000	25.4	1*	10.2	0.400	1.9	0.075	1.0	0.040	1.2	48
0318	1250	31.8	1 1/4	12.7	0.500	2.5	0.100	1.6	0.065	1.2	48
0381	1500	38.1	1 1/2	15.2	0.600	3.0	0.120	2.0	0.078	1.2	48

* Dimensions not to MIL 23053/4 Class 3



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:

CPA 100 - ^{Order Ref. No.}XXXX - ^{Options}CC - OO - AA - M
Color Standard Length

To Order in Imperial Units:

CPA 100 - ^{Order Ref. No.}YYYY - ^{Options}CC - OO - BB - I
Color Standard Length

Standard Colors (CC)

Order Code	Color
BK	BLACK
RD	RED
BE	BLUE
CR	CLEAR

* Only jacket is flame retardant.
 * Clear not flame retardant.

Options (OO)

Unprinted	00
Printed	01

* For additional colors please see price list.

Lengths: Supplied on continuous reels or 48" (1.2m) lengths.

Standards: MIL-DTL-23053/4, Class 3

Note: Non-standard colors, sizes and lengths available subject to factory quotation. REV 2