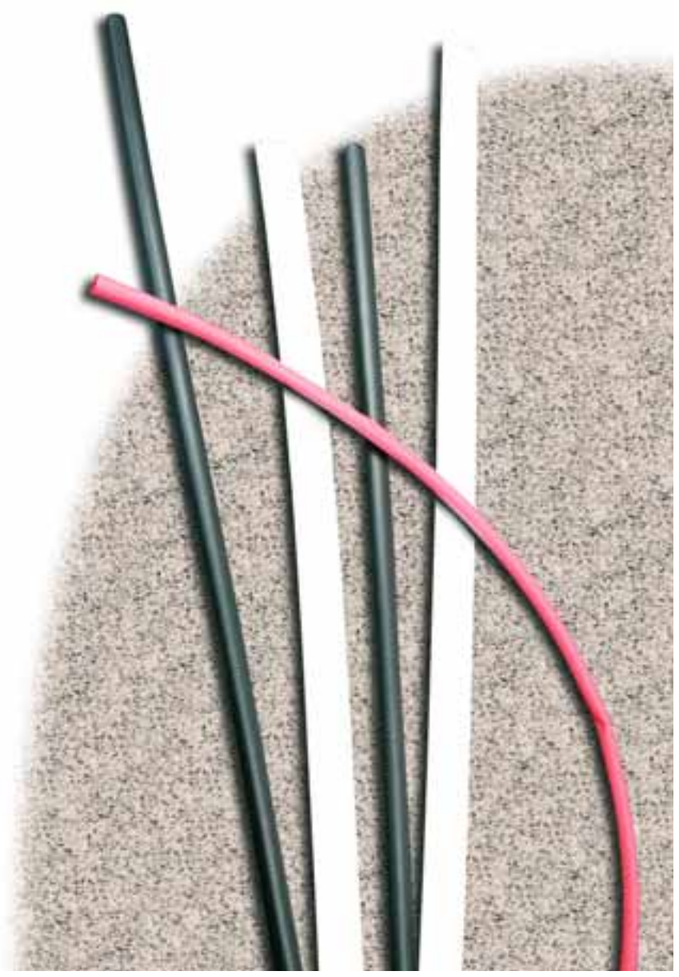
CPA 300

Adhesive-lined heat shrink tubing ideal for applications where both exceptional flame retardancy and environmental sealing capabilities are required

MIL

Features

- Flame retardant
- Superior sealing against water, moisture or other contaminants
- Meets MIL - DTL - 23053/4 Class 3
- Continuous Operating Temperature: -55°C to 125°C
- Shrink Temperature: 120°C



Dimensions

EXPANDED		RECOVERED			DELIVERY UNITS
INTERNAL DIAMETER (MIN) D		INTERNAL DIAMETER (MAX) D	WALL THICKNESS (NOM) w	WALL THICKNESS ADHESIVE (NOM) w	Lengths 1.22 m
mm	IN	mm	mm	m	pcs.
3,2	1/8	1,0	1,00	0,50	25
4,8	3/16	1,5	1,00	0,50	25
6,4	1/4	2,0	1,00	0,50	25
7,9	5/16	2,5	1,30	0,70	25
9,5	3/8	3,2	1,50	0,70	25
12,7	1/2	4,1	1,80	0,80	25
19,1	3/4	7,5	1,80	0,80	25
25,4*	1	8,1	2,50	1,00	25
31,8*	1 1/4	10,6	2,50	1,00	25
39,9*	1 1/2	13,0	2,50	1,00	20

* These sizes are not UL listed, Rolled commodities on request

Technical Data

Physical

Property	Test Method	Typical Performance
Tensile Strength	ASTM-D 638	12,4 MPa
Elongation	ASTM-D 638	450%
Longitudinal Change	ASTM-D 2671	1% to -5% max.
Specific Gravity	MIL-DTL-23053/4	1,22 g/cm^3
Heat Resistant Properties (168 hrs at 175°C)	MIL-DTL-23053/4	no cracking, flowing or dripping of outer wall
Heat Shock (4 hrs at 250°C)	MIL-DTL-23053/4	no cracking, flowing or dripping of outer wall
Flammability	ASTM-D 2671	flame retardant

Electrical

Property	Test Method	Typical Performance
Dielectric Strength	ASTM-D 2671	22 kV/mm
Volume Resistivity	ASTM-D 876	10^{14} Ω x cm

Chemical

Property	Test Method	Typical Performance
Corrosive Action	MIL-DTL-23053/4	non-corrosive
Copper Compatibility	MIL-DTL-23053/4	non-corrosive
Chemical Resistance		good to excellent
Water Absorption	ASTM-D 570	0,20%

Standard Colours	Special Colours
black, white**, red**	On Request

** white and red products are not UL listed

Printability	Hot stamp	Ink jet	Offset
	good	good	good

Ordering: **Specify the product name** plus each of the following options: 1) Size 2) Colour 3) Total Quantity + Delivery Unit 4) Printing Options
For example: CPA 300, 1/4", black, 244 mtr, 1,22 mtr.-lengths, unprinted