



FEATURES

- A highly flexible, radiation cross-linked tubing used for insulating, jacketing and bundling of wire harnesses and components.
- Made from flame retardant polyolefin, it has excellent electrical, chemical and physical properties
- Operating temperature range -55°C to 125°C
- Shrink temperature 125°C (Clear 105 °C)
- Shrink Ratio 2:1
- Flexible Polyolefin
- UL and CSA Recognised Component



TECHNICAL DATA

PROPERTY		TEST METHOD	VALUES
Physical	Gravity		
	Tensile Strength	ASTM D 2671	10.4 MPa min.
	Ultimate Elongation	ASTM D 2671	200% min.
	Tensile strength after heat aging (Mpa)	158°C, 168Hrs	≥7.3
	Ultimate elongation after heat aging (Mpa)	158°C, 168Hrs	≥100
	Longitudinal change	ASTM D 2671	-5% ~ +5%
Thermal	Flammability	ASTM D 2671 C method	VW1 Clear non-flame retardant
Electrical	Dielectric Breakdown Voltage		
	Dielectric Strength	IEC 60243	15kV/mm Clear 19.7kV/mm
	Withstanding Voltage		
	Volume Resistivity	IEC 62631	10 Ω.cm.min.
Chemical	Water Absorption	ISO 62	0.5% max.
	Copper Corrosion	No corrosion	No corrosion
Heat Shock at 250°C for 4hrs		UL 224	No Dropping or Cracking
Cold Bend at -30°C for 1hr		ASTM D 2671	No cracking

DIMENSIONS

ORDERING SIZE (mm)	MINIMUM EXPANSION (mm)	MAXIMUM RECOVERED INNER DIAMETER (mm)	MIN RECOVERED WALL THICKNESS (mm)	STANDARD REEL LENGTH (M)
1.2	1.2	0.60	0.33	150
1.6	1.6	0.80	0.36	150
2.4	2.4	1.20	0.42	150
3.2	3.2	1.60	0.42	150
4.8	4.8	2.40	0.52	150
6.4	6.4	3.20	0.54	75
9.5	9.5	4.80	0.54	75
12.7	12.7	6.40	0.62	75
19.0**	19.0	9.50	0.75	60
25.4	25.4	12.7	0.85	30
38.1	38.1	19.1	0.96	30
50.8	50.8	25.4	0.97	30
76.2	76.2	38.1	1.17	30
101.6	101.6	50.8	1.30	30
127.0***	127.0	63.5	1.30	15
152.4***	152.4	76.2	1.30	15
180.0***	180.0	91.0	1.56	15

SPECIFICATION REFERENCES

UNDERWRITERS LAB	FLAME RETARDANT	MEETS	COMPLIANCE
UL Recognised Component (File: E204071 H-2(Z))		CSA Recognised Component 240199	

ORDERING

Comes in a wide range of colours and is normally supplied in in reels and can be cut to length.

COLOURS:

Black (BK), Red (RD), Yellow (YW), White (WT), Blue (BU), Green (GN), Grey (GY), Clear* (HC).

ORDER CODE:

Product **Size** **Colour**

PF2X

Example: 3.2mm ID Black is PF2X **3.2 BK**

* Clear is not UL approved & Max 105°C working Temp

** Clear is available in 19.1

*** Clear is not available in these sizes