

Flexible Flame Retardant Heat Shrink Polyolefin Tubing 3:1 or 4:1 Ratio



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 135°C
- Shrink Temperature 100°C
- Shrink Ratio 3:1 or 4:1
- Flexible High Shrink
- Military, UL Approvals for 3:1

Shrink Sleeve

The Worldwide Tubing Solution

Shrink Sleeve Limited is a leading company providing electrical and mechanical heat shrink tubes for a variety of industries and applications. Starting from products created by extensive developmental research. Shrink Sleeve Limited continues to respond to needs of customers and aims to become one of the most powerful heat shrink tube brands in the 21st Century.

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Technical Data

Property	Test Method	Values
Tensile Strength	ISO 37	10 MPa min.
Ultimate Elongation	ISO 37	250% max.
Specific Gravity	ISO 1183	1.35 max.
Heat Shock	ASTM D 2671 (4hrs at 250°C)	No dripping, cracking or flowing
Heat Ageing	ISO188(168hrs at 175°C)	
Ultimate Elongation	ISO 37	150% min.
Low Temperature	ASTM D 2671	No cracking
Flexibility	(4hrs at -55°C)	
Flammability(Except Clear)	ASTM D 876	Pass
Electric Strength	ICE 243	20KV/mm min.
Corrosion(Copper Contact)	ASTM D 2671	No corrosion
Water Absorption	ISO 62	0.5% max.
Fluid Resistance	ISO 1817	
Gasoline		
Hydraulic Fluid		
Lubrication Oil		
Tensile Strength	ISO 37	5 MPa min.
Ultimate Elongation		200% min.
Fungus Resistance	ISO 846	
Tensile Strength	ISO 37	10 MPa min.
Ultimate Elongation		250% min.

Specification References

MILITARY	UNDERWRITERS LAB	FLAME RETARDANT
MIL-DTL 23053/5	UL 224 VW1	
DEF STAN 59-97, VG95343 Pt5	600V, 125 °C	

** 4:1 is flame retardant only.

Dimensions

	ORDERING No. size ref (mm)	MINIMUM EXPANSION (mm)	MAXIMUM RECOVERED (mm)	FULLY RECOVERED WALL (mm)	STANDARD REEL LENGTH (M)
3:1	1.5	1.5	0.5	0.45	150
	3	3.0	1.0	0.55	150
	4.5	4.5	1.5	0.60	150
	6	6.0	2.0	0.65	75
	9	9.0	3.0	0.75	75
	12	12.0	4.0	0.75	75
	18	18.0	6.0	0.85	75
	24	24.0	8.0	1.00	30
	39	39.0	13.0	1.15	30
4:1	19	19	4.6	1.7	1.2
	25.4	25.4	7.0	1.7	1.2
	38.1	38.1	9.5	1.7	1.2
	50.8	50.8	14.0	1.7	1.2
	76.2	76.2	20.6	1.7	1.2
	102	102	36.8	1.7	1.2
	115	115	46.0	1.7	1.2

Colour : Black (BK)
Other colours available on request for 3:1 only

Order : Product Size Colour
PF3X/PF4X _____
Ex. 19mm ID Black 3:1 - PF3X 19 BK