

# Flexible Flame Retardant Heat Shrink Sleeve Polyolefin Tubing 2:1 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 2:1
- Flexible Polyolefin
- Military, UL Approvals

## 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	10.4 MPa min.
Ultimate Elongation	ISO 37	200% 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	100% min.
Low Temperature	ASTM D 2671	No cracking
Flexibility	(4hrs at -55°C)	
Flammability(Except Clear)	ASTM D 876	Pass
Electric Strength	IEC 243	15KV/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	7.3 MPa min.
Ultimate Elongation		200% min.
Fungus Resistance	ISO 846	
Tensile Strength	ISO 37	10 MPa min.
Ultimate Elongation		200% min.

## Specification References

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

## Dimensions

ORDERING No. size ref (mm)	MINIMUM EXPANSION (mm)	MAXIMUM RECOVERED (mm)	FULLY RECOVERED WALL (mm)	STANDARD REEL LENGTH (M)
1.2	1.2	0.65	0.44	150
1.6	1.6	0.85	0.45	150
2.4	2.4	1.00	0.50	150
3.2	3.2	1.50	0.50	150
4.8	4.8	2.30	0.50	150
6.4	6.4	3.00	0.65	75
9.5	9.5	4.50	0.65	75
12.7	12.7	6.00	0.75	75
19.0	19.1	9.00	0.90	60
25.4	25.4	12.5	1.00	30
38.1	38.1	20.0	1.00	30
50.8	50.8	25.0	1.15	30
76.2	76.2	38.1	1.25	30
102.0	102.0	51.0	1.40	30
120.0	120.0	61.0	1.50	15
150.0	150.0	75.0	1.56	15
180.0	180.0	91.0	1.56	15

Colour : Black (BK), Red (RD), Yellow (YW), White (WT), Blue (BU), Green (GN), Grey(GY) and Clear (CR)  
Clear is not UL approved & Max. 105°C working Temp.

Order : Product Size Colour  
PF2X    —  —  
Ex. 3.2mm ID Black - PF2X 3.2 BK