

Features/Applications

F12 is a flexible, flame retardant, irradiated polyolefin heat shrink tubing that has excellent insulation properties.

F12 is suitable for electrical insulation, strain relief, bonding of cables and connectors and is widely used for interconnections or terminations.

Various

Operating temperature: -55°C to 125°C

Minimum shrink temperature: 70°C

Minimum fully recovery temperature: 100°C

Standard colors: Black, White, Red, Blue, Yellow, Green, Yellow/Green, Clear.

Special sizes and colors available on request.

Specifications

UL 224, File n°E204071: VW-1, 600V, 125°C (except clear products).

RoHS and REACH compliant.

Dimensions



Size (inch)	As supplied		After recovery (mm)		Standard Length (m/spool)
	Inside Diameter (D) Mini. (mm)	Inside Diameter (d) Maxi.	Wall Thickness (t) Mini.		
3/64	1,2	0,60	0,33		150
1/16	1,6	0,80	0,36		150
3/32	2,4	1,20	0,44		150
1/8	3,2	1,60	0,44		150
3/16	4,8	2,40	0,51		75
1/4	6,4	3,20	0,56		75
5/46	8,0	4,00	0,56		75
3/8	9,5	4,80	0,56		75
1/2	12,7	6,40	0,65		50
5/8	15,9	8,00	0,69		50
3/4	19,1	9,50	0,80		30
1	25,4	12,70	0,90		30
1 1/4	31,8	15,90	1,02		30
1 1/2	38,1	19,10	1,02		30
2	50,8	25,40	1,14		30
3	76,2	38,10	1,27		15
4	101,6	50,80	1,40		15
5	127,0	63,50	1,50		15
6	150,0	76,00	1,50		15

*Spools as standard, cut pieces available on request

Technical properties

		Values	Test methods	
Physical	Working temperature	-55 to +125°C	-	
	Longitudinal change	0±5%	UL 224	
	Tensile strength	Unaged	>14MPa	ASTM D 2671
	Ultimate elongation		>400%	ASTM D 2671
	Tensile strength	Aged(158h @168°C)	>12MPa	ASTM D 2671
	Ultimate elongation		≥350%	ASTM D 2671
	Eccentricity	<30%	ASTM D 2671	
Electrical	Voltage withstand	No breakdown	ASTM D 2676 AC 2500V, 1 min.	
	Volume resistance	>1x10 ¹⁴ Ω-cm	IEC 93	
Chemical	Copper corrosion	No corrosion	UL 224	
	Copper stability	Pass	UL 224	
	Flammability	Pass	VW-1	