

Thermal Memory Ltd

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EC2 is a tough, flexible, flame retarded, general purpose, commercial grade irradiated cross-linked polyolefin cable protection heatshrink tubing, designed for a wide range of applications where material cost is an important factor.



Areas of use are insulation of hoses, cable harnesses, mechanical protection, color coding, LV busbars and identification of wire/cables.



Size	Inside Diameter		# Wall thickness	
	Supplied expanded D (min) (inches)	Fully Recovered d (max) (inches)	Fully recovered w (nom) (inches)	

1.2/0.6	1.2	(0.046)	0.6	(0.023)	0.41	(0.016)
1.6/0.8	1.6	(0.063)	0.8	(0.031)	0.43	(0.017)
2.4/1.2	2.4	(0.093)	1.2	(0.046)	0.51	(0.020)
3.2/1.6	3.2	(0.125)	1.6	(0.063)	0.51	(0.020)
4.8/2.4	4.8	(0.187)	2.4	(0.093)	0.51	(0.020)
6.4/3.2	6.4	(0.250)	3.2	(0.125)	0.64	(0.025)
9.5/4.8	9.5	(0.375)	4.8	(0.187)	0.64	(0.025)
12.7/6.4	12.7	(0.500)	6.4	(0.250)	0.64	(0.025)
19.0/9.5	19.0	(0.750)	9.5	(0.375)	0.76	(0.030)
25.4/12.7	25.4	(1.000)	12.7	(0.500)	0.89	(0.035)
38.0/19.0	38.0	(1.500)	19.0	(0.750)	1.02	(0.040)
50.8/25.4	50.8	(2.000)	25.4	(1.000)	1.14	(0.045)
76.2/38.1	76.2	(3.000)	38.1	(1.500)	1.27	(0.050)
101.6/50.8	101.6	(4.000)	50.8	(2.000)	1.40	(0.055)
127.0/63.5	127.0	(5.000)	63.5	(2.500)	1.50	(0.059)
152.0/76.0	152.0	(6.000)	76.0	(3.000)	1.52	(0.060)

Operating Temperature : **-55°C to +125°C**
Minimum shrink temperature : **+110°C**

Main features

Tough, shrink ratio 2:1
Flame retarded - Black & Colours, Not Clear
Diameter range 1.2 to 152mm (Clear 1.2 to 50.8mm)

Flexible for Low Voltage bus-bar insulation.

If tubing is restricted in any way, this will cause the wall thickness to differ from the actual nominal dimensions stated above.

Ordering Information

Colour = 0 = 2, = 4, = 6, = 9 = X Clear. Green, Purple, Grey and other colors to order.

Data specifications

Properties	Test Method	Typical value
Tensile Strength	ISO 37	10 MPa
Ultimate Elongation	ISO 37	200%
Longitudinal Change	ASTM D2671	± 10%
Heat Shock 4hrs @ +200°C	ASTM D2671	No dripping, flowing or cracking
Flammability (Not Clear)	ASTM D2671	passes
Low Temperature Flexibility 4hrs @ -40°C	ASTM D2671	No cracking
Dielectric Strength	IEC 243-1	20kV/mm
Water Absorption	ISO 62	0.5%

Sizes required Refer to dimensions data above and select the size needed to fit snugly over all the area of the substrate-component (preferably greater than 20% of size)

For ordering Please specify the code type, sizes, colours and overall quantity. (Example EC2 50.8-X-120M)