

Thin Wall Tubing

Heat Shrinkable, Flexible, Diesel & Chemical Resistant

pro-POWER

RoHS
Compliant



Application

This is specially formulated for optimum high temperature fluid resistance and long-term heat resistance. Resistant to diesel fuels, hydraulic fluids and lubricating oils. Particularly suitable as a jacketing material for military ground vehicle cables and harnesses.

Specifications

Operating Range	: -50°C to +150°C
Min. Full Recovery Temperature	: 120°C
Shrink Ratio	: 2:1
Voltage Rating	: 600V
Colour	: Black

Technical Data

Property	Test Method	Typical Data
Tensile Strength	ASTM D 638	≥12 MPa
Ultimate Elongation	ASTM D 638	≥400%
Tensile Strength after heat aging (168 hrs, 160°C)	ISO 188	≥8MPa
Elongation after heat aging (168 hrs, 160°C)	ISO 188	≥220%
Tensile Strength after fluid aging (24 hrs, diesel 70°C, hydraulic oil 70°C, lubrication oil 100°C)	ISO 37	≥8MPa
Elongation after heat aging (24 hrs, diesel 70°C, hydraulic oil 70°C, lubrication oil 100°C)	ISO 37	≥300%
Longitudinal Shrinkage	UL 224	±10%
Flammability	UL 224 VW-1	Pass
Dielectric Strength	IEC 93	≥13kV/mm
Heat Shock (250°C, 4hrs)	ASTM D 2671	No cracking, no flowing

Product Dimensions

Part Number	Size		As Supplied	After Recovery	
	Inch	mm	Internal Diameter Min. (mm)	Internal Diameter Max. (mm)	Wall Thickness (mm)
PP001998	3/16	4.8	4.8	2.4	0.84 ±0.15
PP001999	1/4	6.4	6.4	3.2	0.89 ±0.15
PP002000	3/8	9.5	9.5	4.8	1.02 ±0.2

www.element14.com
www.farnell.com
www.newark.com
www.cpc.co.uk

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Part Number Table

Description	Part Number
Tubing, Heat Shrink, Diesel Resistant, 4.8mm, Black, 50m	PP001998
Tubing, Heat Shrink, Diesel Resistant, 6.4mm, Black, 50m	PP001999
Tubing, Heat Shrink, Diesel Resistant, 9.5mm, Black, 50m	PP002000

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