

Polyolefin heat-shrink tubing

FITCOTUBE[®] FT555 – Special Sizes

Halogen free, high performance, flexible, cross-linked polyolefin heat shrink tubing. Reliable insulation, mechanical protection of harnesses, variety of colors for marking.

Operating temperature: - 70°C to +135°C

Shrink temperature: + 90° C

Shrink ratio: 2 : 1

Standard colors: Black



Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)
FT555-480-W5	4,80	2,40	0,51
FT555-1810-W8	18,10	6,40	0,80
FT555-2100-W8	21,00	7,80	0,80
FT555-2700	27,00	12,70	0,67
FT555-3300-W11	33,00	9,00	1,10

Packaging: On spools

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Attributes	Testing	Value
Mechanical		
Tensile strength	ASTM D 638	< 10,4 MPa
Ultimate elongation	ASTM D 638	≥400 %
Longitudinal change	SAE-AMS-DTL-23053	- 5 %
Secant Modulus	ASTM D 882	≤100 MPa
Specific Gravity	ASTM D 792	nom. 1,1
Thermal		
Heat Shock (225°C x 4h)	UL 224	No cracking, flowing or dripping
Cold bend (-70°C x 4h)	UL 224	No cracking
Elongation after heat ageing (136°C x 168h)	SAE-AMS-DTL-23053	≥ 170%
Tensile Strength after heat ageing (136°C x 168h)	SAE-AMS-DTL-23053	≤ 7,3 MPa (pass)
Flammability	FMVSS 302	flame-retardant
Electrical		
Dielectric Voltage Withstand (2,5kV x 60s)	UL 224	Pass
Volume Resistivity	ASTM D 257	Min. 10 ¹⁴ Ω/cm (pass)
Chemical		
Fluid Resistance (23°C x 24h)*	SAE-AMS-DTL-23053	Tensile Strength: min 10,4 MPa (pass) Elongation: min 200% (pass)

* Tested fluids: Gasoline, Simulated Windshield cleaner, Brake Fluid, Anti-freezing fluid, Battery fluid, Engine oil, Torque conversion oil