

VITON™ + Heat-Shrink Tubing

## FITCOTUBE® FT-VD-TW

High temperature resistant, very tough, thin-walled fluoroelastomer heat shrink tubing for cable sheathing in aircraft and vehicle construction under extreme mechanical, chemical and thermal exposure. Protection of measuring probes, which are exposed to high temperature loads and aggressive media.

**Operating temperature:** - 55°C to + 220°C, short time up to + 300°C

**Shrink temperature:** + 160°C

**Storage temperature:** Max. + 35°C

**Shrink ratio:** 2 : 1

**Standard color:** Black



Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)
FT-VD-TW 320	3.20	1.60	0.80
FT-VD-TW 470	4.70	2.40	0.90
FT-VD-TW 640	6.40	3.20	0.90
FT-VD-TW 950	9.50	4.70	0.90
FT-VD-TW 1270	12.70	6.40	0.90
FT-VD-TW 1590	15.90	7.90	1.10
FT-VD-TW 1910	19.10	9.50	1.10
FT-VD-TW 2220	22.20	11.10	1.20
FT-VD-TW 2540	25.40	12.70	1.20
FT-VD-TW 3180	31.80	15.90	1.40
FT-VD-TW 3810	38.10	19.10	1.40

Special sizes on request

### Key Benefits:

- Flame resistant
- Flexible
- High abrasion resistance
- High resistance to damage and corrosive liquids
- Made of modified elastomer
- Lead and cadmium free

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**Packaging:** On spools, cut lengths or printed tubing on request.

Properties	Test Method	Typical Value
<b>Mechanical</b>		
Tensile strength	ASTM D 412	Min. 8.2 MPa
Ultimate elongation	ASTM D 412	Min. 250%
Longitudinal shrinkage	AS23053	Max. - 10%
Elastic modulus	ASTM-D 882	Max. 70 MPa
Specific weight	ASTM-D 792, A-I	Max. 1.9 g/cm <sup>3</sup>
<b>Thermal</b>		
Low temperature flexibility	AS23053	Does not break at - 40°C
Heat shock (4h x 300°C)	AS23053	No cracking, flowing or dripping
Ultimate elongation after long term aging (168h x 250°C)	AS23053	200%
Tensile strength after long term aging (168h x 250°C)	AS23053	Min. 8.2 MPa
Flammability	ASTM D 876	Self-extinguishing
<b>Electrical</b>		
Dielectric strength	VDE 0303 part 2	7.9 kV/mm
Volume resistance	VDE 0303 part 3	10 <sup>9</sup> Ω*cm
<b>Chemical</b>		
Chemical resistance	n/a	Good
Water absorption	ASTM D 570	Max. 0.50%