

VITON™+ Heat Shrink Tubing

## FITCOTUBE® FT-VD

Flexible, highly abrasion and high-temperature resistant VITON™+ heat shrink tubing. Chemical and mechanical protection of cables. Ideal for protecting electronic components in high temperature areas.

**Operating temperature:** - 55° C bis +220° C  
**Shrink temperature:** + 175° C  
**Shrink ratio:** 2: 1  
**Standard colors:** Black  
 Special colors on request



Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)
FT-VD	3,20	1,60	0,80
FT-VD	4,80	2,40	0,90
FT-VD	6,40	3,20	0,90
FT-VD	9,50	4,80	1,00
FT-VD	12,70	6,40	1,20
FT-VD	19,00	9,50	1,40
FT-VD	25,40	12,70	1,80
FT-VD	38,00	19,00	2,40
FT-VD	50,80	25,40	2,80

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

**Processing note:** Care for clean and accurate cutting edge. Start shrinkage on the end.  
 Pre-heat metal body.

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Attributes	Testing	Value
<b>Mechanical</b>		
Tensile Strength	IEC 60684-2	18 MPa
Elongation	IEC 60684-2	520 %
Longitudinal Change	ASTM-D 2671	≤10%
Specific Gravity	ASTM-D 792, A-I	≤1,9 g/cm <sup>3</sup>
<b>Thermal</b>		
Elongation after heat ageing (250°C x 168h)	IEC 811-1-2	220 %
Tensile strength after heat Ageing (250°C x 168h)	IEC 811-1-2	14 MPa
Flammability	ASTM D 2671 Meth. A	Pass
Elongation after heat shock (300°C x 4h)	IEC 811-1-2	250 %
Tensile strength after heat Shock (300°C x 4h)	IEC 811-1-2	17 MPa
Cold bend test	ASTM D 2671 Meth. C	No cracking at -55°C
<b>Electrical</b>		
Dielectric Strength	VDE 0303 Part 2	16 kV/mm
Spec. volume resistivity	VDE 0303 Part 3	10 <sup>13</sup> Ω/cm
<b>Chemical</b>		
Compatibility with copper	ASTM-D 2671 Meth. B	No corrosion
Water Absorption	VDE 0472	0,20 %