

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: from +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 320 | 3,20 | 1,60 | 0,80 |
| FT-VD 480 | 4,80 | 2,40 | 0,90 |
| FT-VD 640 | 6,40 | 3,20 | 0,90 |
| FT-VD 950 | 9,50 | 4,80 | 1,00 |
| FT-VD 1270 | 12,70 | 6,40 | 1,20 |
| FT-VD 1900 | 19,00 | 9,50 | 1,40 |
| FT-VD 2540 | 25,40 | 12,70 | 1,80 |
| FT-VD 3800 | 38,00 | 19,00 | 2,40 |
| FT-VD 5080 | 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 |
|---|---------------------|------------------------|
| Mechanical | | |
| 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 ³ |
| Thermal | | |
| 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 |
| Electrical | | |
| Dielectric Strength | VDE 0303 Part 2 | 16 kV/mm |
| Spec. volume resistivity | VDE 0303 Part 3 | 10 ¹³ Ω/cm |
| Chemical | | |
| Compatibility with copper | ASTM-D 2671 Meth. B | No corrosion |
| Water Absorption | VDE 0472 | 0,20 % |