

PTFE single-core cable (VDE approved)

Fp... 300/500V VDE Reg.-Nr. 8187

Application

For wiring of electrical devices

Market requirements

- High and low ambient temperatures
- Chemical resistance
- Mechanical resistance
- Very high electrical demands

Solution

- Strand copper; bare, tinned, silver-plated, nickel-plated in compliance with DIN EN 60228 VDE 0295:2005-09 (section 1/2/5) or pure nickel
- Insulation DIN VDE 0207-6:2004-10 compliant PTFE
- Core colour to customer specification
- Designation marked VDE-Reg.-Nr.
- up to 130 °C copper, bare
- up to 180 °C copper, tinned
- up to 200 °C copper, silver-plated
- up to 250 °C copper, nickel-plated
- up to 250 °C pure nickel conductor taking the more limited conductivity into account

Technical specifications

- Rated voltage 300/500 V
- Test voltage 3.4 kV
- Temperature rating **-190 °C to +250 °C**

Note

Further approvals are available*



Cross-section mm ²	Insulation wall thickness mm	Outer-Ø nom. mm	Copper number kg/km
0.5	0.25 – 0.30	1.5	4.80
0.75	0.25 – 0.30	1.7	7.20
1	0.25 – 0.30	1.9	9.60
1.5	0.25 – 0.30	2.2	14.40
2.5	0.30 – 0.35	2.7	24.00
4	0.30 – 0.40	3.3	38.00
6	0.30 – 0.40	4.3	58.00

* VDE approvals

	rated voltage	cross-section
Fp... 0,6/1,0 kV VDE Reg.-Nr. 8324 PTFE single core	0.6/1.0 kV	0.25 – 6 mm ²
Fp... 300/500 V VDE Reg.-Nr. 8258 PTFE wiring cable double insulated, PTFE/PTFE	300/500 V	0.25 – 6 mm ²
Fp... 300/300 V VDE Reg.-Nr. 8323 PTFE wiring cable double insulated, PTFE/PFA	300/300 V	0.25 – 6 mm ²
Fp... 300/500 V VDE Reg.-Nr. 8260 FEP wiring cable	300/500 V	0.25 – 6 mm ²
Fp... 300/500 V VDE Reg.-Nr. 8261 FEP wiring cable double insulated, FEP/FEP	300/500 V	0.25 – 6 mm ²



Find out why our cables
withstand 1,250 °C.

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