



Technical data

- Spezial TPE/PUR connecting cable adapted to DIN VDE 0282 part 10
- **Temperature range**
flexing -40°C to +90°C
- **Nominal voltage**
up to 1 mm² U₀/U 300/500 V
above 1,5 mm² U₀/U 450/750 V
- **Test voltage** 3000 V
- **Minimum bending radius**
flexing 10x cable Ø
fixed installation 5x cable Ø
- **Radiation resistance**
up to 100x10⁶ cJ/kg (up to 100 Mrad)

Cable construction

- Bare copper, fine wire conductions bunch stranded according to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Core insulation of thermoplastic olefin-elastomere (TPE-O)
- Core colours according DIN VDE 0293-308
 - up to 5 cores one-coloured
 - 6 and more cores, black with numbering
 - 3 and above, with green-yellow earth core
 - 2 cores without green-yellow earth core
- Cores stranded in layers with optimal lay-length
- PUR outer sheath TPU in adapted to DIN VDE 0282 part 10 appendix A
- Jacket colour by request

Properties

- Flame retardant according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- **Resistant to**
 - Oils and fats
 - Water and weathering effects
 - Ozone and oxygen
 - UV-radiation
 - Hydrolysis
 - Microbial attack
- Abrasion resistant
- Notch resistant
- Resistant to tearing and cutting
- Good flexibility at low temperatures down to -40°C
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Note

- G = with green-yellow earth core;
x = without green-yellow earth core (OB).
- Colour code:
 - 0 = RAL 5015, blue
 - 1 = RAL 6018, green
 - 2 = RAL 8003, brown
 - 3 = RAL 1021, yellow
 - 4 = RAL 3000, red
 - 5 = RAL 2003, orange
 - 6 = RAL 4005, violet
 - 7 = RAL 7001/7032, grey
- Please add the individual part no. for order with the identification colour code.
- Further colours on request.

Application

These robust and flexible cables are used for electrical tools such as drills, hand-held circular saws, and garden equipment as well as for portable motors and machinery in agriculture, at building sites, for hobbies, docks and refrigeration plants.

Extremely good mechanical characteristics e.g. compressive load, good abrasion and near-resistant.

CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

| Part No. | No. cores x cross-sec. mm ² | Outer ø ca. mm | Cop. weight kg / km | Weight ca. kg / km | AWG-No. |
|----------|--|----------------|---------------------|--------------------|---------|
| 1812_ | 2 x 0,5 | 6,0 | 9,6 | 40,0 | 20 |
| 1813_ | 3 G 0,5 | 6,2 | 14,4 | 47,0 | 20 |
| 1814_ | 4 G 0,5 | 7,0 | 19,0 | 57,0 | 20 |
| 1815_ | 5 G 0,5 | 7,5 | 24,0 | 65,0 | 20 |
| 1816_ | 7 G 0,5 | 9,2 | 33,6 | 94,0 | 20 |
| 1817_ | 12 G 0,5 | 11,5 | 58,0 | 150,0 | 20 |
| 1818_ | 18 G 0,5 | 13,2 | 86,0 | 208,0 | 20 |
| 1819_ | 25 G 0,5 | 15,2 | 120,0 | 276,0 | 20 |
| 1820_ | 34 G 0,5 | 18,8 | 163,0 | 393,0 | 20 |
| 1821_ | 41 G 0,5 | 20,2 | 197,0 | 460,0 | 20 |

| Part No. | No. cores x cross-sec. mm ² | Outer ø ca. mm | Cop. weight kg / km | Weight ca. kg / km | AWG-No. |
|----------|--|----------------|---------------------|--------------------|---------|
| 1822_ | 2 x 0,75 | 6,3 | 14,0 | 52,0 | 18 |
| 1823_ | 3 G 0,75 | 6,9 | 21,6 | 62,0 | 18 |
| 1824_ | 4 G 0,75 | 7,5 | 28,8 | 80,0 | 18 |
| 1825_ | 5 G 0,75 | 8,3 | 36,0 | 94,0 | 18 |
| 1826_ | 6 G 0,75 | 9,0 | 43,0 | 111,0 | 18 |
| 1827_ | 7 G 0,75 | 9,8 | 50,0 | 160,0 | 18 |
| 1828_ | 12 G 0,75 | 12,2 | 86,0 | 191,0 | 18 |
| 1829_ | 18 G 0,75 | 14,1 | 130,0 | 267,0 | 18 |
| 1830_ | 25 G 0,75 | 17,0 | 180,0 | 376,0 | 18 |
| 1831_ | 34 G 0,75 | 20,3 | 245,0 | 506,0 | 18 |
| 1832_ | 41 G 0,75 | 21,9 | 296,0 | 596,0 | 18 |

Dimensions and specifications may be changed without prior notice.

Continuation ►