

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**
10x cable Ø
- **Radiation resistance**
up to 100x10⁶ cJ/kg (up to 100 Mrad)

Features

- 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

Cable structure

- Bare copper, fine wire conductions bunch stranded according to DIN VDE 0295 cl. 5 and IEC 60228 cl. 5
- Core insulation of thermoplastic olefin-elastomere (TPE-O)
- Core colours according DIN VDE 0293
 - 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
flame retardant, test method B according to DIN VDE 0472 part 804 and IEC 60332-1

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.

Resistant to

- Oils and fats
- Water and weathering effects
- Ozone and oxygen
- UV-radiation
- Hydrolysis
- Microbial attack

*) Note

AWG sizes are approximate equivalent values.
The actual cross-section is in mm² – see page T 15.

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

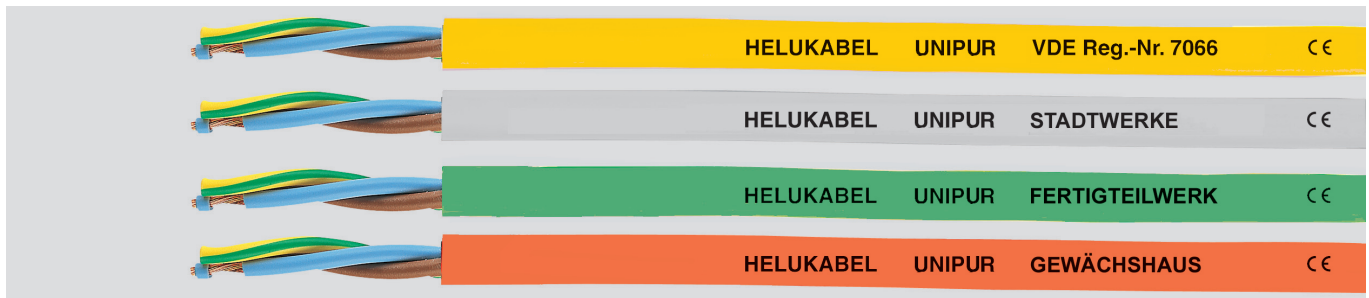
Part No.	No. cores x cross-sec. mm ²	Outer Ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-no. *)
1812___ OB	2x0,5	6,0	9,6	40	20
1813___	3G0,5	6,2	14,4	47	20
1814___	4G0,5	7,0	19,0	57	20
1815___	5G0,5	7,5	24,0	65	20
1816___	7G0,5	9,2	33,6	94	20
1817___	12G0,5	11,5	58,0	150	20
1818___	18G0,5	13,2	86,0	208	20
1819___	25G0,5	15,2	120,0	276	20
1820___	34G0,5	18,8	163,0	393	20
1821___	41G0,5	20,2	197,0	460	20
1822___ OB	2x0,75	6,3	14,0	52	18
1823___	3G0,75	6,9	21,6	62	18
1824___	4G0,75	7,5	28,8	80	18
1825___	5G0,75	8,3	36,0	94	18
1826___	6G0,75	9,0	43,0	111	18
1827___	7G0,75	9,8	50,0	160	18
1828___	12G0,75	12,2	86,0	191	18
1829___	18G0,75	14,1	130,0	267	18
1830___	25G0,75	17,0	180,0	376	18
1831___	34G0,75	20,3	245,0	506	18
1832___	41G0,75	21,9	296,0	596	18

Part No.	No. cores x cross-sec. mm ²	Outer Ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-no. *)
1833___ OB	2x1	6,8	19,2	59	17
1834___	3G1	7,2	29,0	70	17
1835___	4G1	7,8	38,0	87	17
1836___	5G1	8,8	48,0	100	17
1837___	6G1	9,6	58,0	131	17
1838___	7G1	10,5	67,0	182	17
1839___	12G1	13,0	115,0	230	17
1840___	18G1	15,1	173,0	325	17
1841___	25G1	18,7	240,0	476	17
1842___	34G1	21,6	326,0	616	17
1843___	41G1	23,2	394,0	724	17
1844___ OB	2x1,5	8,3	29,0	92	16
1845___	3G1,5	8,8	43,0	108	16
1846___	4G1,5	9,9	58,0	144	16
1847___	5G1,5	10,8	72,0	168	16
1848___	6G1,5	11,9	86,0	201	16
1849___	7G1,5	12,9	101,0	230	16
1850___	12G1,5	14,7	173,0	306	16
1851___	18G1,5	17,9	259,0	464	16
1852___	25G1,5	20,8	360,0	641	16
1853___	34G1,5	24,9	490,0	857	16
1854___	41G1,5	26,7	590,0	1010	16

Continuation ►

G = with green-yellow earth core
X = without green-yellow earth core (OB)

Colour code see page A 75



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Part No.	No. cores x cross-sec. mm ²	Outer Ø ca. mm	Cop. weight kg/km	Weight ca. kg/km	AWG-no. *)
1855___ OB	2x2,5	10,0	48,0	120	14
1856___	3G2,5	10,5	72,0	148	14
1857___	4G2,5	11,8	96,0	184	14
1858___	5G2,5	13,0	120,0	224	14
1859___	7G2,5	14,7	168,0	301	14
1860___	12G2,5	18,0	288,0	489	14
1861___ OB	2x4	11,6	77,0	149	12
1862___	3G4	12,3	115,0	240	12
1863___	4G4	13,7	154,0	297	12
1864___	5G4	15,2	192,0	360	12
1865___	7G4	20,8	268,0	540	12

Part No.	No. cores x cross-sec. mm ²	Outer Ø ca. mm	Cop. weight kg/km	Weight ca. kg/km	AWG-no. *)
1866___ OB	2x6	13,2	115,0	240	10
1867___	3G6	14,2	173,0	370	10
1868___	4G6	15,8	230,0	472	10
1869___	5G6	17,5	288,0	581	10
1870___	7G6	22,0	403,0	698	10
1871___	3C10	18,6	288,0	560	8
1872___	4C10	20,5	384,0	718	8
1873___	5C10	22,7	480,0	896	8
1874___	3C16	23,5	461,0	940	6
1875___	4C16	25,7	614,0	1068	6
1876___	5C16	28,5	768,0	1810	6

G = with green-yellow earth core
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ca. RAL	5015 blue	6018 green	8003 brown	1021 yellow	3000 red	2003 orange	4005 violet	7001/7032 grey
Colour code	0	1	2	3	4	5	6	7

Note
Please add the individual part no. for order with the identification colour code.
Further colours on request.