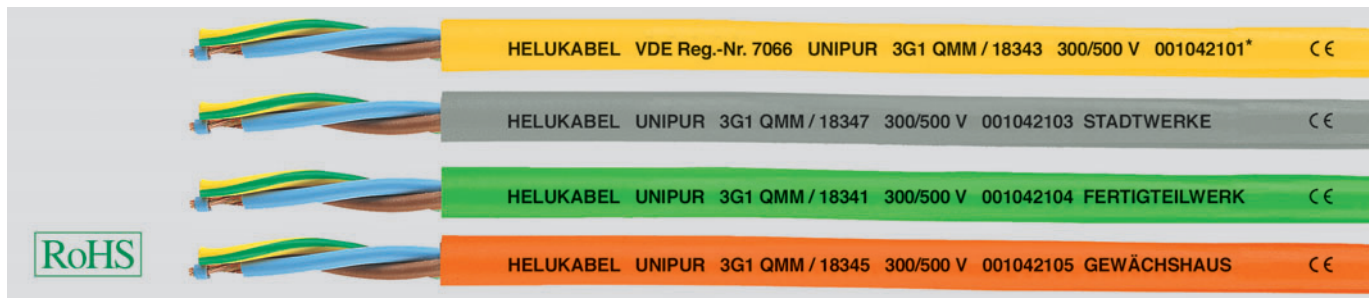


UNIPUR® flexible at low temperature, with customer markings, halogen-free, wear resistant, robust, meter marking



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 structure

- 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 termoplastic elastomere (TPE)
- Core colours according DIN VDE 0293-308
- Core colour
 - up to 5 cores one-coloured
 - up 6 and more cores, black with white 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 EN 50363-10-2
- Jacket colour by request
- with meter marking, change-over in 2011

Properties

- Flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- 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.
- **screened analogue type:**
UNIPUR®-CP, see page A 58

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 2006/95/EG.

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. 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	15,9	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 approx. mm	Cop. weight kg / km	Weight approx. 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	17,5	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

Continuation ►

UNIPUR® flexible at low temperature, with customer markings, halogen-free, wear resistant, robust, meter marking



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Part no.	No. cores x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
1833_	2 x 1	6,8	19,2	59,0	17
1834_	3 G 1	7,2	29,0	70,0	17
1835_	4 G 1	7,8	38,0	87,0	17
1836_	5 G 1	8,8	48,0	100,0	17
1837_	6 G 1	9,6	58,0	131,0	17
1838_	7 G 1	10,5	67,0	182,0	17
1839_	12 G 1	13,0	115,0	230,0	17
1840_	18 G 1	15,1	173,0	325,0	17
1841_	25 G 1	18,7	240,0	476,0	17
1842_	34 G 1	21,6	326,0	616,0	17
1843_	41 G 1	23,2	394,0	724,0	17
1844_	2 x 1,5	8,3	29,0	92,0	16
1845_	3 G 1,5	8,8	43,0	108,0	16
1846_	4 G 1,5	9,9	58,0	144,0	16
1847_	5 G 1,5	10,8	72,0	168,0	16
1848_	6 G 1,5	11,9	86,0	201,0	16
1849_	7 G 1,5	12,9	101,0	230,0	16
1850_	12 G 1,5	14,7	173,0	306,0	16
1851_	18 G 1,5	17,9	259,0	464,0	16
1852_	25 G 1,5	20,8	360,0	641,0	16
1853_	34 G 1,5	24,9	490,0	857,0	16
1854_	41 G 1,5	26,7	590,0	1010,0	16

Part no.	No. cores x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
1855_	2 x 2,5	10,0	48,0	120,0	14
1856_	3 G 2,5	10,5	72,0	148,0	14
1857_	4 G 2,5	11,8	96,0	184,0	14
1858_	5 G 2,5	13,0	120,0	224,0	14
1859_	7 G 2,5	14,7	168,0	301,0	14
1860_	12 G 2,5	18,0	288,0	489,0	14
1861_	2 x 4	11,6	77,0	149,0	12
1862_	3 G 4	12,3	115,0	240,0	12
1863_	4 G 4	13,7	154,0	297,0	12
1864_	5 G 4	15,2	192,0	360,0	12
1865_	7 G 4	20,8	268,0	540,0	12
1866_	2 x 6	13,2	115,0	240,0	10
1867_	3 G 6	14,2	173,0	370,0	10
1868_	4 G 6	15,8	230,0	472,0	10
1869_	5 G 6	17,5	288,0	581,0	10
1870_	7 G 6	22,0	403,0	698,0	10
1871_	3 G 10	18,6	288,0	560,0	8
1872_	4 G 10	20,5	384,0	718,0	8
1873_	5 G 10	22,7	480,0	896,0	8
1874_	3 G 16	23,5	461,0	940,0	6
1875_	4 G 16	25,7	614,0	1068,0	6
1876_	5 G 16	28,5	768,0	1810,0	6

Dimensions and specifications may be changed without prior notice. (RA02)

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