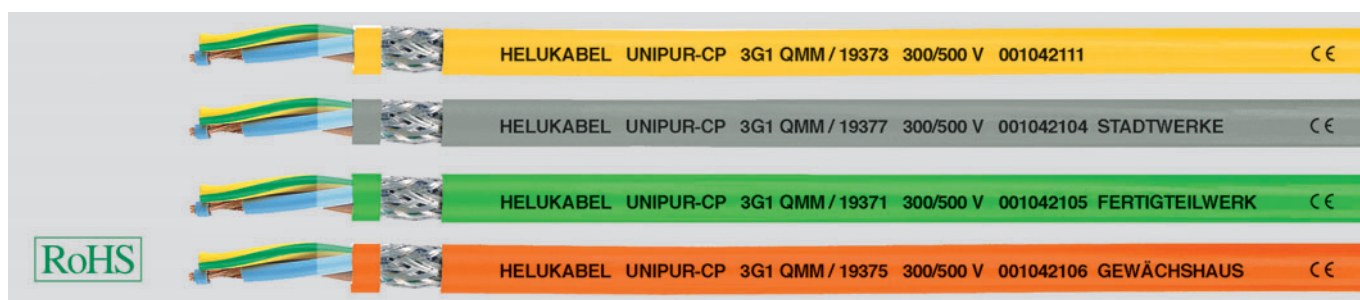


UNIPUR-CP flexible at low temperature, with customer markings, halogen-free, wear resistant, robust, screened, EMC-preferred type, meter marking



A



Technical data

- Special TPE/PUR screened 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 12,5x cable ø
fixed installation 7,5x cable ø
- **Radiation resistance**
up to 100x10⁶ cJ/kg (up to 100 Mrad)
- **Coupling resistance**
max. 250 Ohm/km

Cable structure

- Bare copper, fine wire conductors bunch stranded according to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Core insulation of thermoplastic 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
 - up 3 and above, with green-yellow earth core
 - 2 cores without green-yellow earth core
- Cores stranded in layers with optimal lay-length
- Core wrapping with foil
- Tinned copper braided screening, coverage approx. 85%
- 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)
- **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 (0B).
- 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.
- **unscreened analogue type:**
UNIPUR®, see page A 49

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.

EMC = Electromagnetic compatibility

To optimise the EMC features we recommend a large round contact of the copper braiding on both ends.

C€ = The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
1915_	2 x 0,5	6,1	35,0	46,0	20
1916_	3 G 0,5	6,3	42,0	56,0	20
1917_	4 G 0,5	6,8	47,0	62,0	20
1918_	5 G 0,5	7,4	56,0	75,0	20
1919_	7 G 0,5	8,8	69,0	98,0	20
1920_	12 G 0,5	10,9	108,0	158,0	20
1921_	18 G 0,5	13,0	145,0	216,0	20
1922_	25 G 0,5	15,6	240,0	315,0	20
1923_	34 G 0,5	17,2	312,0	371,0	20
1924_	41 G 0,5	19,4	348,0	442,0	20

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
1925_	2 x 0,75	6,8	40,0	60,0	18
1926_	3 G 0,75	7,1	52,0	68,0	18
1927_	4 G 0,75	7,7	60,0	78,0	18
1928_	5 G 0,75	8,4	71,0	95,0	18
1929_	6 G 0,75	9,1	80,0	112,0	18
1930_	7 G 0,75	10,0	91,0	138,0	18
1931_	12 G 0,75	12,3	142,0	207,0	18
1932_	18 G 0,75	14,8	212,0	293,0	18
1933_	25 G 0,75	18,4	281,0	413,0	18
1934_	34 G 0,75	20,3	345,0	523,0	18
1935_	41 G 0,75	22,0	400,0	609,0	18

Continuation ►

UNIPUR-CP flexible at low temperature, with customer markings, halogen-free, wear resistant, robust, screened, EMC-preferred type, meter marking



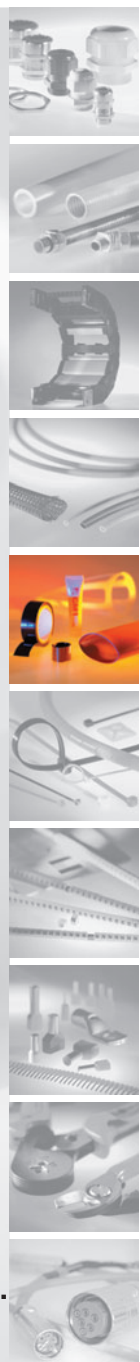
Part no.	No. cores x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
1936	2 x 1	7,1	50,0	65,0	17
1937	3 G 1	7,4	60,0	76,0	17
1938	4 G 1	8,1	71,0	89,0	17
1939	5 G 1	8,8	88,0	108,0	17
1940	6 G 1	9,7	97,0	141,0	17
1941	7 G 1	10,7	111,0	187,0	17
1942	12 G 1	12,9	184,0	240,0	17
1943	18 G 1	15,7	260,0	335,0	17
1944	25 G 1	19,3	349,0	484,0	17
1945	34 G 1	21,6	486,0	627,0	17
1946	41 G 1	23,3	531,0	738,0	17
1947	2 x 1,5	8,4	63,0	97,0	16
1948	3 G 1,5	8,8	80,0	119,0	16
1949	4 G 1,5	9,8	97,0	152,0	16
1950	5 G 1,5	10,9	119,0	168,0	16
1951	6 G 1,5	12,1	121,0	218,0	16
1952	7 G 1,5	13,2	147,0	243,0	16
1953	12 G 1,5	16,5	267,0	317,0	16
1954	18 G 1,5	19,6	374,0	481,0	16
1955	25 G 1,5	24,2	526,0	674,0	16
1956	34 G 1,5	27,0	629,0	881,0	16
1957	41 G 1,5	29,3	801,0	1027,0	16

Part no.	No. cores x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
1958	2 x 2,5	10,0	96,0	129,0	14
1959	3 G 2,5	10,7	144,0	158,0	14
1960	4 G 2,5	11,9	148,0	196,0	14
1961	5 G 2,5	13,2	181,0	241,0	14
1962	7 G 2,5	16,0	255,0	317,0	14
1963	12 G 2,5	19,8	441,0	496,0	14
1964	2 x 4	11,8	120,0	158,0	12
1965	3 G 4	12,4	174,0	261,0	12
1966	4 G 4	13,8	230,0	316,0	12
1967	5 G 4	15,6	273,0	384,0	12
1968	7 G 4	18,9	316,0	592,0	12
1969	2 x 6	13,4	173,0	259,0	10
1970	3 G 6	14,3	240,0	394,0	10
1971	4 G 6	16,0	305,0	483,0	10
1972	5 G 6	17,9	439,0	592,0	10
1973	7 G 6	21,6	505,0	714,0	10
1974	3 G 10	18,1	350,0	576,0	8
1975	4 G 10	20,2	535,0	729,0	8
1976	5 G 10	22,5	592,0	914,0	8
1977	3 G 16	20,6	585,0	960,0	6
1978	4 G 16	23,0	740,0	1813,0	6
1979	5 G 16	25,6	895,0	1827,0	6

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

Terminations and straight-through joints

Telephone cables
Low voltage
Medium voltage
Accessories



You can find terminations and straight-through joints in our catalogue Cable Accessories.
Request it now at www.helukabel.de