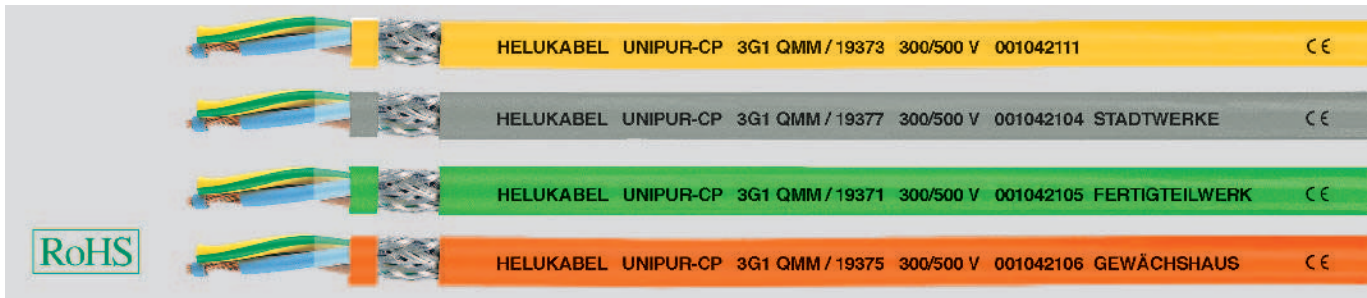


# UNIPUR-CP flexible at low temperature, with customer markings, halogen-free, wear resistant, robust, screened, EMC-preferred type



## 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 mm<sup>2</sup> U<sub>0</sub>/U 300/500 V  
above 1,5 mm<sup>2</sup> U<sub>0</sub>/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 100x10<sup>6</sup> cJ/kg (up to 100 Mrad)
- **Coupling resistance**  
max. 250 Ohm/km

## Cable construction

- 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 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
- Core wrapping with foil
- PUR outer sheath TPU in adapted to DIN VDE 0282 part 10 appendix A
- Jacket colour by request
- We can also have this cable with your company name or emblem. Minimum quantity 500-1000 m.

## 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.

**EMC** = Electromagnetic compatibility

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

**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 <sup>2</sup>	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
1915_	2 x 0,5	6,1	29,0	46,0	20
1916_	3 G 0,5	6,3	39,0	56,0	20
1917_	4 G 0,5	6,8	46,0	62,0	20
1918_	5 G 0,5	7,4	52,0	75,0	20
1919_	7 G 0,5	8,8	68,0	98,0	20
1920_	12 G 0,5	10,9	117,0	158,0	20
1921_	18 G 0,5	13,0	152,0	216,0	20
1922_	25 G 0,5	15,6	250,0	315,0	20
1923_	34 G 0,5	17,2	312,0	371,0	20
1924_	41 G 0,5	19,4	350,0	442,0	20

Part No.	No. cores x cross-sec. mm <sup>2</sup>	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
1925_	2 x 0,75	6,8	39,0	60,0	18
1926_	3 G 0,75	7,1	50,0	68,0	18
1927_	4 G 0,75	7,7	57,0	78,0	18
1928_	5 G 0,75	8,4	70,0	95,0	18
1929_	6 G 0,75	9,1	87,0	112,0	18
1930_	7 G 0,75	10,0	96,0	138,0	18
1931_	12 G 0,75	12,3	151,0	207,0	18
1932_	18 G 0,75	14,8	207,0	293,0	18
1933_	25 G 0,75	18,4	278,0	413,0	18
1934_	34 G 0,75	20,3	350,0	523,0	18
1935_	41 G 0,75	22,0	404,0	609,0	18

Dimensions and specifications may be changed without prior notice.

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