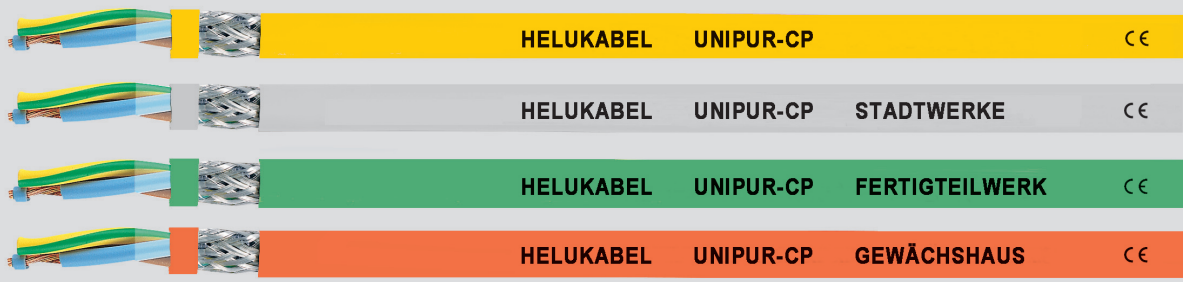


HELUKABEL® UNIPUR-CP

Cu screened, EMC*-preferred type

flexible at low temperature,
with customers marking,
halogen-free, wear resistant, robust

new



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**
12,5x cable Ø
- **Radiation resistance**
up to 100x10⁶ cJ/kg (up to 100 Mrad)
- **Coupling resistance**
max. 250 Ohm/km

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 conductors 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
- Core wrapping with foil
- PUR outer sheath TMPU 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

* **EMC** = Electromagnetic compatibility

Note To optimise the EMC features we recommend a large round contact of the copper 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 ²	Outer Ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-no. *)
1915___ OB	2x0,5	6,1	29	46	20
1916___	3G0,5	6,3	39	56	20
1917___	4G0,5	6,8	46	62	20
1918___	5G0,5	7,4	52	75	20
1919___	7G0,5	8,8	68	98	20
1920___	12G0,5	10,9	117	158	20
1921___	18G0,5	13,0	152	216	20
1922___	25G0,5	15,6	250	315	20
1923___	34G0,5	17,2	312	371	20
1924___	41G0,5	19,4	350	442	20
1925___ OB	2x0,75	6,8	39	60	18
1926___	3G0,75	7,1	50	68	18
1927___	4G0,75	7,7	57	78	18
1928___	5G0,75	8,4	70	95	18
1929___	6G0,75	9,1	87	112	18
1930___	7G0,75	10,0	96	138	18
1931___	12G0,75	12,3	151	207	18
1932___	18G0,75	14,8	207	293	18
1933___	25G0,75	18,4	278	413	18
1934___	34G0,75	20,3	350	523	18
1935___	41G0,75	22,0	404	609	18

Part No.	No. cores x cross-sec. mm ²	Outer Ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-no. *)
1936___ OB	2x1	7,1	46	65	17
1937___	3G1	7,4	56	76	17
1938___	4G1	8,1	69	89	17
1939___	5G1	8,8	89	108	17
1940___	6G1	9,7	105	141	17
1941___	7G1	10,7	111	187	17
1942___	12G1	12,9	168	240	17
1943___	18G1	15,7	245	335	17
1944___	25G1	19,3	332	484	17
1945___	34G1	21,6	440	627	17
1946___	41G1	23,3	517	738	17
1947___ OB	2x1,5	8,4	63	97	16
1948___	3G1,5	8,8	76	119	16
1949___	4G1,5	9,8	98	152	16
1950___	5G1,5	10,9	116	176	16
1951___	6G1,5	12,1	140	218	16
1952___	7G1,5	13,2	152	243	16
1953___	12G1,5	16,5	222	317	16
1954___	18G1,5	19,6	368	481	16
1955___	25G1,5	24,2	500	674	16
1956___	34G1,5	27,0	621	881	16
1957___	41G1,5	29,3	732	1027	16

Continuation ►

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

Colour code see page A 77

*) Note

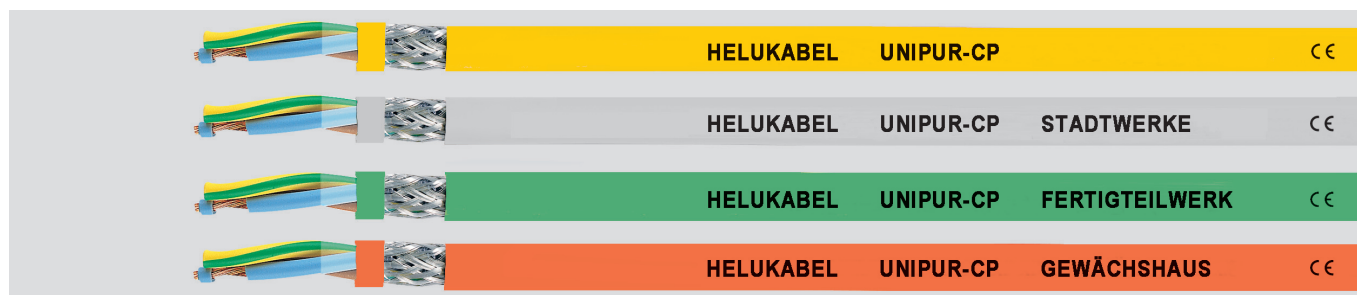
AWG sizes are approximate equivalent values.
The actual cross-section is in mm² – see page T 15.

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Application

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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. *)
1958___ OB	2 x 2,5	10,0	46	129	14
1959___	3 G2,5	10,7	146	158	14
1960___	4 G2,5	11,9	176	196	14
1961___	5 G2,5	13,2	200	241	14
1962___	7 G2,5	16,0	235	317	14
1963___	12 G2,5	19,8	441	496	14
1964___ OB	2 x 4	11,8	135	158	12
1965___	3 G4	12,4	178	261	12
1966___	4 G4	13,8	240	316	12
1967___	5 G4	15,6	328	384	12
1968___	7 G4	18,9	355	592	12

Part No.	No. cores x cross-sec. mm ²	Outer Ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-no. *)
1969___ OB	2 x 6	13,4	175	259	10
1970___	3 G6	14,3	240	394	10
1971___	4 G6	16,0	335	483	10
1972___	5 G6	17,9	441	592	10
1973___	7 G6	21,6	505	714	10
1974___	3 G10	18,1	370	576	8
1975___	4 G10	20,2	485	729	8
1976___	5 G10	22,5	714	914	8
1977___	3 G16	20,6	550	960	6
1978___	4 G16	23,0	809	1813	6
1979___	5 G16	25,6	1050	1827	6

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

*) Note

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

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.

We can also have this cable with your company name or emblem. Minimum quantity 500-1000 m.