HELUPOWER® CHARGE-1000-AC-UL

flexible, flame retardant

TECHNICAL DATA

E-Mobility charging cable according to UL 62

Temperature range	flexible -40°C bis +90°C fixed -40°C bis +90°C
Permissible operating temperature of the conductor	+90°C
Nominal voltage	EVJE U 300 V AC EVE U 1000 V AC
Test voltage	2000 V AC
Minimum bending radius	flexible 7,5 x Kabel-Ø fixed 4 x Kabel-Ø

CABLE STRUCTURE

- power and signal cores: bare copper conductor, fine wire acc. to UL 62
- core insulation: TPE-O
- core identification: coloured cores acc. to UL 62
- cores stranded in layers with optimal lay-length
- outer sheath: TPU
- outer sheath colour: black or red (RAL 3020)

PROPERTIES

- resistant to: oil, UV radiation
- flame retardant

TESTS

- flame retardant: vertical flame test FT1 acc. to UL 1581
- oil resistant acc. to UL 62
- weather resistant acc. toUL 62

APPLICATION

E-Mobility charging cable for multiple use scenarios. It can be used for charging electronic vehicles at public charge stations like parking areas, near highways or in garages as well as at domestic sockets. The UV and oil resistance ensure a reliable charging process indoors and outdoors. Due to its TPU outer sheath it even withstands harsh handling on concrete.

NOTES

- other constructions or outer sheath colours available on request
- can also be delivered for direct current as HELUPOWER® CHARGE-1000-DC-UL

outer sheath: black

Part no.	No. cores x cross-sec. mm²	Outer Ø app. mm	Copper weight kg/km	Weight app. kg / km
17001265	3 x AWG 14 (2.08 mm²) + 1 x AWG 20 (0.52 mm²)	10.5	72.0	130
17001266	3 x AWG 14 (2.08 mm²) + 1 x AWG 18 (0.82 mm²)	10.7	75.0	140
17001267	3 x AWG 14 (2.08 mm²) + 2 x AWG 18 (0.82 mm²)	11.8	84.0	175
17001268	3 x AWG 12 (3.31 mm²) + 1 x AWG 18 (0.82 mm²)	15.2	111.0	310
17001269	3 x AWG 10 (5.26 mm²) + 1 x AWG 20 (0.52 mm²)	15.7	171.0	375
17001270	3 x AWG 10 (5.26 mm²) + 1 x AWG 18 (0.82 mm²)	16.0	174.0	380
17001271	3 x AWG 10 (5.26 mm²) + 2 x AWG 20 (0.52 mm²)	16.0	177.0	385
17001272	5 x AWG 10 (5.26 mm²) + 1 x AWG 20 (0.52 mm²)	19.8	281.0	590

outer sheath: red

Part no.	No. cores x cross-sec. mm²	Outer Ø app. mm	Copper weight kg/km	Weight app. kg / km
17001273	3 x AWG 14 (2.08 mm²) + 1 x AWG 20 (0.52 mm²)	10.5	72.0	130
17001274	3 x AWG 14 (2.08 mm²) + 1 x AWG 18 (0.82 mm²)	10.7	75.0	140
17001275	3 x AWG 14 (2.08 mm²) + 2 x AWG 18 (0.82 mm²)	11.8	84.0	175
17001276	3 x AWG 12 (3.31 mm²) + 1 x AWG 18 (0.82 mm²)	15.2	111.0	310
17001277	3 x AWG 10 (5.26 mm²) + 1 x AWG 20 (0.52 mm²)	15.7	171.0	375
17001278	3 x AWG 10 (5.26 mm²) + 1 x AWG 18 (0.82 mm²)	16.0	174.0	380
17001279	3 x AWG 10 (5.26 mm²) + 2 x AWG 20 (0.52 mm²)	16.0	177.0	385
17001280	5 x AWG 10 (5.26 mm²) + 1 x AWG 20 (0.52 mm²)	19.8	281.0	590