

HELUPOWER® CHARGE-1000-DC-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 U 1000 V DC

Test voltage 2000 V DC

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. to UL 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 alternating current as HELUPOWER® CHARGE-1000-AC-UL

outer sheath: black

Part no.	No. cores x cross-sec. mm²	Outer Ø app. mm	Copper weight kg/km	Weight app. kg / km
17001533	3 x AWG 6 (13.3 mm²) + 3 x 2 x AWG 18 (0.82 mm²)	18.6	479.0	990
17001534	2 x AWG 2 (33.6 mm²) + 1 x AWG 4 (21.2 mm²) + 3 x 2 x AWG 18 (0.82 mm²)	25.1	950.0	1570
17001535	2 x AWG 1 (42.4 mm²) + 1 x AWG 3 (26.7 mm²) + 1 x 6 x AWG 18 (0.82 mm²)	28.2	1234.0	2040
17001536	2 x AWG 2/0 (67.4 mm²) + 1 x AWG 3 (26.7 mm²) + 1 x 6 x AWG 18 (0.82 mm²)	39.2	1674.0	2700

outer sheath: red

Part no.	No. cores x cross-sec. mm²	Outer Ø app. mm	Copper weight kg/km	Weight app. kg / km
17001537	3 x AWG 6 (13.3 mm²) + 3 x 2 x AWG 18 (0.82 mm²)	18.6	479.0	990
17001538	2 x AWG 2 (33.6 mm²) + 1 x AWG 4 (21.2 mm²) + 3 x 2 x AWG 18 (0.82 mm²)	25.1	950.0	1570
17001539	2 x AWG 1 (42.4 mm²) + 1 x AWG 3 (26.7 mm²) + 1 x 6 x AWG 18 (0.82 mm²)	28.2	1234.0	2040
17001540	2 x AWG 2/0 (67.4 mm²) + 1 x AWG 3 (26.7 mm²) + 1 x 6 x AWG 18 (0.82 mm²)	39.2	1674.0	2700