

HELUPOWER® CHARGE-1200-DC

flexible, flame retardant



HELUPOWER® CHARGE 1200 DC CE

TECHNICAL DATA

E-Mobility charging cable with VDE-REG No.

Temperature range flexible -40°C bis +90°C
fixed -40°C bis +90°C

Permissible operating temperature of the conductor
+90°C

Nominal voltage U₀/U 600/1200 V DC
Test voltage signal cores: 2000 V DC
power cores: 2500 V AC
complete cable: 3500 V AC

Minimum bending radius flexible 7,5 x Kabel-Ø
fixed 4 x Kabel-Ø

■ CABLE STRUCTURE

- bare copper-conductor acc. to DIN VDE 0295 cl. 6, finest wire, BS 6360 cl. 6, IEC 60228 cl. 6
- core insulation: halogen-free polymer type EVI-2 acc. to DIN 50620
- core identification: signal cores acc. to DIN VDE 0285-620 / DIN EN 50620 and DIN VDE 0293-334 / DIN EN 50334
power supply cores: BK/RD/GNYE
- outer sheath: halogen-free polymer type EVM-1 acc. to DIN EN 50620
- outer sheath colour: black or red (RAL 3020)
- with meter marking

■ PROPERTIES

- resistant to: oil, UV radiation
- halogen-free
- flame retardant

■ TESTS

- oil resistant acc. to DIN VDE 0207-363-10-2 / DIN EN 50363-10-2
- flame retardant acc. to DIN VDE 0482-332-1 / DIN EN 60332-1 / IEC 60332-1
- halogen-free acc. to DIN VDE 0285-620 / DIN EN 50620
- UV-resistant acc. to DIN VDE 0285-620 / DIN EN 50620

■ 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 TPE-U outer sheath, it even withstands harsh handling on concrete. The high voltage with 1200 V direct current (DC) enables quick charging and therefore reduces the charging time significantly.

■ NOTES

- other constructions or outer sheath colours available on request
- UL 62 charging cable available on request
- can also be delivered for alternating current as HELUPOWER® CHARGE 750 AC
- according to DIN VDE 0285-620 / DIN EN 50620 / GB/T 33594-2017

outer sheath: black

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Copper weight kg/km	Weight app. kg / km
17001086	3 G 16 + 3 x 2 x 0.75	19.2	525.0	780
17001087	2 x 35 + 1 G 25 + 3 x 2 x 0.75	26.0	995.0	1300
17001088	2 x 50 + 1 G 25 + 6 x 0.75	28.6	1295.0	1650
17001089	2 x 70 + 1 G 35 + 6 x 0.75	32.5	1795.0	2300

outer sheath: red

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Copper weight kg/km	Weight app. kg / km
17001090	3 G 16 + 3 x 2 x 0.75	19.2	525.0	780
17001091	2 x 35 + 1 G 25 + 3 x 2 x 0.75	26.0	995.0	1300
17001092	2 x 50 + 1 G 25 + 6 x 0.75	28.6	1295.0	1650
17001093	2 x 70 + 1 G 35 + 6 x 0.75	32.5	1795.0	2300