

EVCS Charging infra hybrid cable

834209 : EVCS SWB Cca gn# 5G6mm²+1,5mm²+4x2x0,8mm/6mm²

Electrical Vehicle Charging Station hybrid cable CPR certified (Cca-s1,d1,a1)

Application

- Halogen free hybrid cable for the connection of electrical vehicle charging stations to a central load management system. The hybrid cable includes power cores, a communications cable and optional pilot cores.
- Upon request, modified designs with other power cores, communications cables and / or pilot cores can be made.
- Suitable for humid conditions
- Can be applied in unfavourable conditions, like an increased ambient temperature, and in cable bundles

WARNING: This hybrid cable includes power cores as well as low voltage communication wires. Dangerous voltages on the communications wires can occur in case the cable is installed incorrectly or without proper care.

Properties regarding fire performance:

CPR Euroclass Cca (En 50575). For downloading the Declaration of Performance (DoP) go to www.draka.nl/dop (the DoP number is printed on the product label).

Remarks:

Use the armoured designs when cables are installed directly buried without additional protection. To have clear differentiation from standard power cables, the sheath color is grey.

Construction

Power core conductor: plain annealed copper, round , stranded (Class 2)
Insulation of power cores: cross-linked polyethylene (XLPE)
Communications cable halogen free, overall screened and including an insulating sheath
Assembly: cores cabled together, filled to make a circular shape
Outer sheath: halogen free flame retardant thermoplastic (LSOH)

Electrical data

Voltage rating: 0,6/1 kV
Test voltage: 3,5 kV

Core colours

5 cores: brown, black, grey, blue, green/yellow
Pilot cores: red

Standards/References

EN 50575
NEN 8012

Additional information

Minimum installation temperature: -20 °C
Maximum conductor temperature: +90 °C (temporary)

Construction data

Computer data cable (copper)	No
Computer data cable (fibre optic)	No
Energy cable	Yes
Telecommunication cable (copper)	Yes
Telecommunication cable (fibre optic)	No
Material outer sheath	Copolymer, thermoplastic
Colour outer sheath	Green
Outer diameter approx.	24.3 mm
Weight	998 kg/km

Properties

Euro fire class acc. EN 13501-6	Cca
Euro class smoke production acc. EN 13501-6	S1
Euro class flaming droplets / particles acc. EN 13501-6	d1
Euro class acidity acc. EN 13501-6	a1
Number of pilot/reduced cores	1
Number of cores low voltage power cable	5
Protective conductor	Yes
Nominal cross section main conductors	6 mm ²
Nominal cross section pilot/reduced conductors	1.5 mm ²
Number of communication conductors	8
Screen over stranding	Foil
Screen over stranding element	None
Armouring	Yes
Number of stranding elements	4
Elements	x2x
Twisted per	2
Diameter conductor	0.8

Electrical

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overload permissible until + 130 °C)
Operation temperature: min. -40 °C, max. +80 °C
Outer sheath: green
Packaging: drums

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