

Data sheet for AMOCharge 5G2,5+2x2x0,75+Cat7

AMOCharge is a hybrid cable, designed for installation where both power-supply and control are needed. The cable meets requirements for several types of communications used in EV-charging stations, including network connected devices.

AMOCharge is designed for fixed installation indoors, outdoors and in ground for direct burial or in pipes.

Connection of ethernet cable. Screened products must be used, and manufacturers recommendations must be followed. The screen of the ethernet cable must be connected to ground.

Art. No: 5562
 Conductor: IEC 60228,2
 Construction: HD 603 IAP
 Flame retardant: EN 50575:2014 + A1:2016
 CPR-class: Dca- s1, d2, a1

2,5mm² Bare copper conductor acc. to IEC 60228,2

Properties	Nominal Value	Unit
Wires in conductor, approx.	7	pcs
Nominal wire diameter	0,66	mm
Resistance, max at 20°C	7,41	Ω/km
Copper weight	5*24	kg/km

Insulation of 2,5mm² conductor acc. to IEC 60502,1

Properties	Nominal Value	Unit
Material	XLPE	
Temperature range	-25°C to +90°C	°C
Nominal Wall thickness	0,7	mm
Nominal Outer diameter	3,4 ± 0,4	mm
Colour	Yellow/Green Blue, Brown, Black, L-Grey	

0,75mm² Bare copper conductor acc. to IEC 60228,2

Properties	Nominal Value	Unit
Wires in conductor, approx.	7	pcs
Nominal wire diameter	0,36	mm
Resistance, max at 20°C	24,5	Ω/km
Copper weight	4*7,2	kg/km

Insulation of 0,75mm² conductor acc. to IEC 60502,1 IAP

Properties	Nominal Value	Unit
Material	XLPE	
Temperature range	-25°C to +90°C	°C
Nominal Wall thickness	0,7	mm
Nominal Outer diameter	2,5 ± 0,2	mm
Colour	White with numbers 1-4	

Laying up TP Pairs

Properties	Nominal Value	Unit
TP pairs 1x2x0,75		
Lay length	75 ± 25	mm
Lapping AL tape	15	mm
Drain wire 0,75 ft	1	pcs

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Laying up of cores

Properties	Nominal Value	Unit
Centre, Cat 7 ethernet	1	pc.
2x2x0,75		
Lay length	150 ± 50	mm
Fillers if needed	2	pc.
Lapping helical tape	1	pc.

Inner sheath acc. to EN 50363,8

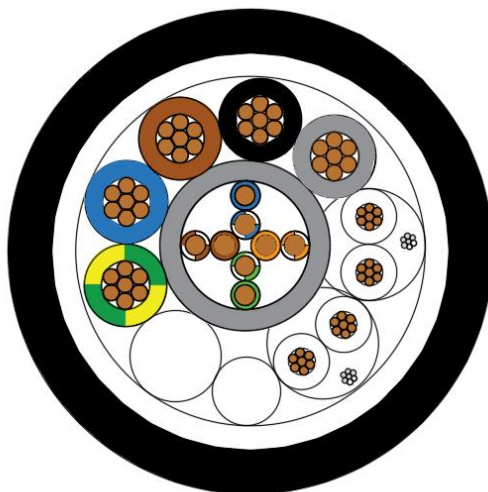
Properties	Nominal Value	Unit
Material	Halogen free bedding compound	
Temperature range	-50°C to +85°C	°C
Nominal Wall thickness	1,0	mm
Colour	Natural	

Outer sheath acc. to EN 50363,8

Properties	Nominal Value	Unit
Material	Polyolefin	
Temperature range	-30°C to +90°C	°C
Nominal Wall thickness	1,8	mm
Nominal Outer diameter	20 ± 1	mm
Colour	Black	
Marking	AMOCheg 5G2,5+2x2x0,75+Cat7 0,6/1kV YY/WW meter marking	

Specific properties

Properties	Nominal Value	Unit
Voltage range U ₀ /U	0,6/1	kV
Test voltage	3,5	kV
Temperature range	-25°C to +90°C	°C
Cat 7, Ethernet cable	See separate TDS	
Flame properties	CPR-class Dca- s1, d2, a1	
Halogen content	IEC 60754, -1, -2	Pass
RoHS2 directive 2011/65/EU	Pass	



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