

Data sheet for AMOCharge Q-Flex 1x400

Application

Double insulated, single core. Designed for 0,6/1kV AC and 1,5kV DC. Suitable for installation in battery storage and charging stations outdoors. Suitable for direct burial.

Art. No: 05566
 Conductor: IEC 60228,5
 Construction: IEC 60502-1 IAP
 EN 50363,8
 CPR class Dca s2d2a1

400mm² Copper conductor acc. to IEC 60228,5

Properties	Nominal Value	Unit
Wire in conductor, Approx.	2878	pcs
Wire diameter	0,5	mm
Resistance, max at 20°C.	0,0486	Ω/km
Copper weight	3480	Kg/km

Insulation of 400mm² conductor acc. to IEC 60502,1

Properties	Nominal Value	Unit
Material	XHFFR	
Temperature range	-30°C+90°C	°C
Nom. Wall thickness	2,0	mm
Nom. Outer diameter	29,4±0,5	mm
Colour	Natural	
Lapping helical tape, if needed	1	pc.

Outer sheath of 1x400mm² conductor acc. to EN 50363,8

Properties	Nominal Value	Unit
Material	HFFR	
Temperature range	-25°C+90°C	°C
Nom. Wall thickness	2,0±1,0	mm
Nom. Outer diameter	34,1±1,5	mm
Colour	Black or customer choice	
Marking	AMOCharge Q-flex 1x400mm ² 0,6/1kV AC 1,5kV DC YY/WW + meter marking	

Specific properties

Properties	Nominal Value	Unit
Voltage range U ₀ /U	0,6/1	kV AC
Voltage rating	1,5	kV DC
Temperature range	-25 to +90	°C
Bending radius	200	mm
Current rating, installation in open air, ambient 30°C	1026	A
Halogen content	Pass IEC 60754-1, 2	
Resistance to water	Excellent	
Resistance to UV	Excellent	
RoHS directive	Pass	

2022-03-16