

Data sheet for AMOCharge Q-Flex 1X120

Application

Double insulated, halogen free, single core wire. 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: 5700
 Conductor: IEC 60228,5
 Construction: IEC 60502-1 IAP
 EN 50363,8
 Flame retardant: EN 50575:2014 + A1:2016
 CPR-class: Dca s2, d2, a1

120mm² Copper conductor acc. to IEC 60228,5

Properties	Nominal Value	Unit
Wire in conductor, approx.	570	pcs
Wire diameter	0,50	mm
Resistance, max at 20°C.	0,161	Ω/km
Copper weight	1152	Kg/km

Insulation of 120mm² conductor acc. to IEC 60502,1 IAP

Properties	Nominal Value	Unit
Material	XHFFR	
Temperature range	-30 to +90	°C
Nom. Wall thickness	1,2	mm
Nom. Outer diameter	16,9 ± 0,6	mm
Color	Natural	

Outer sheath of 1x120mm² conductor acc. to EN 50363,8

Properties	Nominal Value	Unit
Material	HFFR	
Temperature range	-30 to +90	°C
Nom. Wall thickness	1,6	mm
Nom. Outer diameter	20,1 ± 1,0	mm
Color	Customer's choice	

Specific properties

Properties	Nominal Value	Unit
Voltage range U ₀ /U	0,6/1	kV
Bending radius	4xOD	mm
Flame properties	CPR-class Dca s2, d2, a1	Pass
Halogen content	IEC 60754-1, -2	Pass
Smoke Density	IEC 61034-2	Pass
Current rating, installation in open air, ambient temp 30°C	488	A
Current rating, direct burial, ambient temp 20°C	306	A
RoHS directive	Pass	
Approval	CE, LVD 2014/35/EU	