

## Data sheet for AMOCharge Q-Flex 1X95

### 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: 5706  
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

### 95mm<sup>2</sup> Copper conductor acc. to IEC 60228,5

Properties	Nominal Value	Unit
Wire in conductor, approx.	441-469	pcs
Wire diameter	0,50	mm
Resistance, max at 20°C.	0,206	Ω/km
Copper weight	912	Kg/km

### Insulation of 95mm<sup>2</sup> conductor acc. to IEC 60502,1 IAP

Properties	Nominal Value	Unit
Material	XHFFR	
Temperature range	-30 to +90	°C
Nom. Wall thickness	1,1	mm
Nom. Outer diameter	14,5 ± 1,0	mm
Color	Natural	

### Outer sheath of 1x95mm<sup>2</sup> conductor acc. to EN 50363,8

Properties	Nominal Value	Unit
Material	HFFR	
Temperature range	-30 to +90	°C
Nom. Wall thickness	1,5	mm
Nom. Outer diameter	17,5 ± 1,0	mm
Color	Customer's choice	

### Specific properties

Properties	Nominal Value	Unit
Voltage range U <sub>0</sub> /U	0,6/1	kV
Bending radius	4xOD	mm
Flame properties	CPR-class <b>Dca s2, d2, a1</b>	Pass
Halogen content	IEC 60754-1, -2	Pass
Smoke Density	IEC 61034-2	Pass
Current rating, installation in open air, ambient temp 30°C	416	A
Current rating, direct burial, ambient temp 20°C	270	A
RoHS directive	Pass	
Approval	CE, LVD 2014/35/EU	