

Data sheet for AMOSoft 1X50

Application

Flexible double insulated single core conductor. Specifically designed for use in industrial processes. Suitable for use in short-circuit-proof installations, such as distribution panels and switching devices. AMOSoft is highly flexible and easy to work with.

Art. No: 6681
 Conductor: IEC 60228,5
 Construction: EN 50363,7
 EN 50363,8
 Flame retardant: 50575:2014 + A1:2016
 CPR-class: Eca

50mm² Copper conductor acc. to IEC 60228,5

Properties	Nominal Value	Unit
Wire in conductor, approx.	363-364	pcs
Wire diameter	0,40	mm
Resistance, max at 20°C.	0,386	Ω/km
Copper weight	480	Kg/km

Insulation of 50mm² conductor acc. to EN 50363,7

Properties	Nominal Value	Unit
Material	TPE	
Temperature range	-40 to +90	°C
Nom. Wall thickness	1,4	mm
Nom. Outer diameter	11,5 ± 0,5	mm
Colour	Natural	

Outer sheath of 1x50mm² conductor acc. to EN 50363,8

Properties	Nominal Value	Unit
Material	TPE FR	
Temperature range	-40 to +90	°C
Nom. Wall thickness	1,4	mm
Nom. Outer diameter	14,3 ± 0,5	mm
Colour	Black (or customer's choice)	

Specific properties

Properties	Nominal Value	Unit
Voltage range U ₀ /U	0,6/1	kV
Temperature range	-40 to +90	°C
Flame properties	CPR-class Eca	Pass
Halogen content	IEC 60754-1, -2	Pass
Smoke Density	IEC 61034-2	Pass
Bending radius	4 X OD	mm
Marking	AMOSoft 1X50 0,6/1kV CE yy/ww	
RoHS directive	Pass	
Approval	CE, LVD 2014/35/EU	

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