

## Data sheet for AMOSoft 1X35

### 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: 6680  
 Conductor: IEC 60228,5  
 Construction: EN 50363,7  
 EN 50363,8  
 Flame retardant: 50575:2014 + A1:2016  
 CPR-class: Eca

### 35mm<sup>2</sup> Copper conductor acc. to IEC 60228,5

Properties	Nominal Value	Unit
Wire in conductor, approx.	252-266	pcs
Wire diameter	0,40	mm
Resistance, max at 20°C.	0,554	Ω/km
Copper weight	336	Kg/km

### Insulation of 35mm<sup>2</sup> conductor acc. to EN 50363,7

Properties	Nominal Value	Unit
Material	TPE	
Temperature range	-40 to +90	°C
Nom. Wall thickness	1,2	mm
Nom. Outer diameter	9,9 ± 0,5	mm
Colour	Natural	

### Outer sheath of 1x35mm<sup>2</sup> conductor acc. to EN 50363,8

Properties	Nominal Value	Unit
Material	TPE FR	
Temperature range	-40 to +90	°C
Nom. Wall thickness	1,2	mm
Nom. Outer diameter	12,3 ± 0,5	mm
Colour	Black (or customer's choice)	

### Specific properties

Properties	Nominal Value	Unit
Voltage range U <sub>0</sub> /U	0,6/1	kV
Temperature range	-40 to +90	°C
Flame properties	CPR-class <b>Eca</b>	Pass
Halogen content	IEC 60754-1, -2	Pass
Smoke Density	IEC 61034-2	Pass
Bending radius	4 X OD	mm
Marking	AMOSoft 1X35 0,6/1kV CE yy/ww	
RoHS directive	Pass	
Approval	CE, LVD 2014/35/EU	

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