

## DESIGN

**Conductor**  
Flexible Red Copper

**Outer Sheath**  
TM2 (EN 50363-4-1), Black



## APPLICATIONS

For secondary side connection of powers sources for hand or automatic metal-arc welding for secondary voltage typical of welding equipment.

## CHARACTERISTICS

<b>Nominal Voltage</b>	450/750 V
<b>Test Voltage</b>	2500 V
<b>Operating Temperature</b>	-20°C up to 70°C
<b>Short Circuit Temperature</b>	160°C
<b>Self-Extinguishing</b>	EN 60332-1-2; IEC 60332-1-2
<b>Minimum Bending Radius</b>	For cables with diameter up to 12mm: 5 times the max. outer diameter in case of non-constrained motion and 4 times in case of fixed installation. For cables with greater diameter: 6 times the max. outer diameter in case of non-constrained motion and 5 times in case of fixed installation.

## DIMENSIONS

Part Number	Cross Section	Wires Max. Diameter	Conductor Diameter	Core Thickness ± 0.1	Medium Outer Diameter ± 0.2	Electrical Resistance (20°C) (Ω/km)
Black	(mm <sup>2</sup> )	(mm)	(mm)	(mm)	(mm)	(Ω/km)
<b>180001</b>	1x16	0.310	5.40	1.80	8.7	1.28
<b>180002</b>						
<b>180003</b>	1x25	0.310	6.50	1.90	10.3	0.85
<b>180004</b>						
<b>180005</b>	1x35	0.310	7.60	2.10	12.2	0.58
<b>180006</b>						
<b>180007</b>	1x50	0.310	9.30	2.20	14.1	0.41
<b>180008</b>						
<b>180009</b>	1x70	0.310	10.80	2.40	15.6	0.28
<b>180010</b>						
<b>180011</b>	1x95	0.310	12.50	2.64	17.8	0.21
<b>180012</b>						

\*\* The product and information presented in this document are for calculation only and subject to technical progress. Outer diameters are approximately \*\*