

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

Nominal Voltage	450/750 V
Test Voltage	2500 V
Operating Temperature	-20°C up to 70°C
Short Circuit Temperature	160°C
Self-Extinguishing	EN 60332-1-2; IEC 60332-1-2
Minimum Bending Radius	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 ²)	(mm)	(mm)	(mm)	(mm)	(Ω/km)
180001	1x16	0.310	5.40	1.80	8.7	1.28
180002						
180003	1x25	0.310	6.50	1.90	10.3	0.85
180004						
180005	1x35	0.310	7.60	2.10	12.2	0.58
180006						
180007	1x50	0.310	9.30	2.20	14.1	0.41
180008						
180009	1x70	0.310	10.80	2.40	15.6	0.28
180010						
180011	1x95	0.310	12.50	2.64	17.8	0.21
180012						

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