

Cable - Low Voltage Power

Cable Description: 4 X 6 MM2 CIRCULAR COMPACT CU (MGT) XLPE LSZH BLACK 600/1000 V

IEC60502 PT 1 : SHEATHING

Design and Construction Data

Reference Manufacturing Standards	IEC 60228 IEC 60502 PT 1 BS EN 50200 BS 6387	
Max. Permissible Continuous Conductor Temp	°C	90
Max. Conductor Short Circuit Temp for 5 Seconds	°C	250
Rated Voltage ' Uo / U '	V	600/1000
Number of Conductors x Cross-Section	mm ²	4 x 6
Conductor Material & Shape	Copper & Stranded Class 2 Circular Compacted	
Temperature Resistance of Mica Tape	°C	950
Thickness of Mica Tape	mm	0.14
Time Duration of Mica Tape	Minutes	180
Insulation Material	XLPE	
Insulation Nominal Thickness	mm	0.70
Insulation Color	Red, Yellow, Blue, Black	
Outer Sheath Material	LSZH	
Sheath Material Thickness	mm	1.80
Colour of Outer Sheath	Black	
Approximate Cable Overall Diameter	mm	16.29
Approximate Cable Weight	Kg/km	447
Cable Length	Meter	1000 ±5%

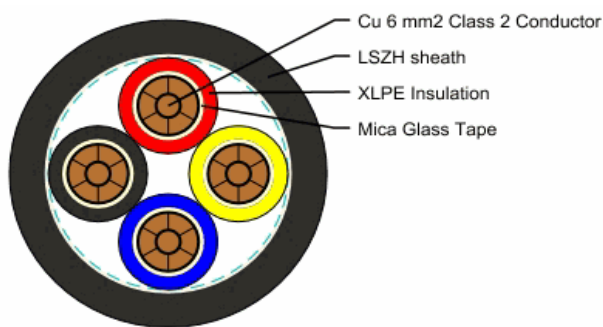
Electrical Data

Max Conductor DC resistance @ 20 °C	ohm/km	3.08
High Voltage Test at 3.5 kV for 5 min	No Breakdown Shall Occur	
Min. Insulation Resistance Test @ 90 °C	M.Ω.Km	3.67
Max Conductor Short Circuit Current @ 1 Second	kA	0.858
Current Carrying Capacity		
Laid in Free air or on perforated cable tray @ 30 °C	Amp	54
Laid In Conduit or in Trunking @30 °C	Amp	44
Minimum Bending Radius	mm	6D
The Cable shall meet all Test requirements	IEC 60228 IEC 60502 PT 1 BS EN 50200 BS 6387	

Cable Marking

4x6mm² CU/MICA TAPE/XLPE/LSZH ELECTRIC CABLE 0.6/1kV IEC 60228, 60502-1 FAST CABLES LTD Manufacturing Year - Meter marked

Cable Drawing



4 X 6 MM2 CIRCULAR COMPACT CU (MGT) XLPE LSZH BLACK	Approx. Diameter	
600/1000 V IEC60502 PT 1 : SHEATHING		
Stranded Copper Conductor with round shape	mm	3.12
Insulated	mm	5.08
Laid up Cores	mm	12.29
LSZH-FR Outer Sheathing	mm	16.29