FAST CABLES LIMITED

Technical Data Sheet

Cable - Low Voltage Power

Cable Description: 1 X 2.5 MM2 CU (MGT) XLPE LSZH RED : 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	mm²	1 x 2.5
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		Natural
Outer Sheath Material		LSZH
Sheath Material Thickness	mm	1.40
Colour of Outer Sheath		Red
Approximate Cable Overall Diameter	mm	6.77
Approximate Cable Weight	Kg/km	72
Cable Length	Meter	1000 ±5%

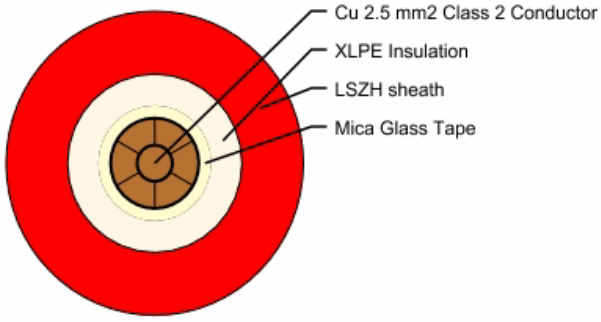
Electrical Data

Max Conductor DC resistance @ 20 °C	ohm/km	7.41
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	0.358
Current Carrying Capacity		
Laid in Free air or on perforated cable tray @ 30 °C	Amp	
Laid In Conduit or in Trunking @30 °C	Amp	31
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

1x2.5mm² CU/MICA TAPE/XLPE/LSZH ELECTRIC CABLE 0.6/1kV IEC 60228, 60502-1 FAST CABLES LTD Manufacturing Year - Meter marked

Cable Drawing



1 X 2.5 MM2 CU (MGT) XLPE LSZH RED : 600/1000 V IEC60502 PT 1 : SHEATHING		Approx. Diameter
Stranded Copper Conductor with round shape	mm	2.01
Insulated	mm	3.97
LSZH-FR Outer Sheathing	mm	6.77