

Cable - Instrumentation

Cable Description: 2 X 1 MM2 FLEXIBLE CU PVC PVC TINNED COPPER BRAIDED PVC GREY :

300/500 V BS6004 : SHEATHING

Design and Construction Data

Reference Manufacturing Standards	IEC 60228, BS 6004 , BS EN 50525	
Max. Permissible Continuous Conductor Temp	°C	70
Max. Conductor Short Circuit Temp for 5 Seconds	°C	160
Rated Voltage ' Uo / U '	V	300/500
Number of Conductors x Cross-Section	mm ²	2x1.00
Conductor Material & Shape	mm	Copper & Flexible Class 5
Wire Size	mm	0.21 (Max)
Insulation Material		PVC
Insulation Nominal Thickness	mm	0.60
Insulation Color		RED,BLACK
Bedding Material		PVC
Bedding Nominal Thickness	mm	0.70
Braided Material	mm	Tinned Copper
Diameter of Screen Wire Max	mm	0.16
Outer Sheath Material		PVC
Sheath Nominal Thickness	mm	0.90
Colour of Outer Sheath		Grey
Approximate Cable Overall Diameter	mm	8.20-10.30

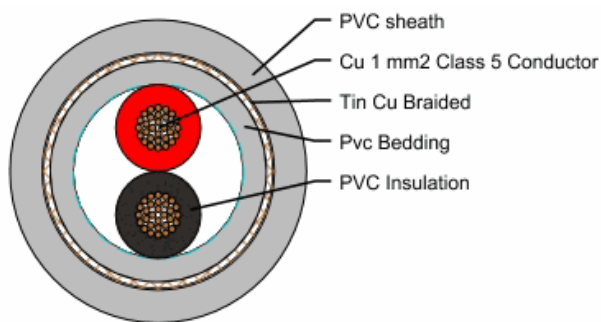
Electrical Data

Max Conductor DC resistance @ 20 °C	ohm/km	19.50
High Voltage Test at 1.5 kV for 5 min		No Breakdown Shall Occur
Min. Insulation Resistance Test @ 70 °C	M.Ω.Km	0.010
Current Carry Capacity		
Laid in Free air @ 30 °C Ambient Temperature	Amp	
Conduit on wall or in Trunking	Amp	10
The Cable shall meet all Test requirements		IEC 60228, BS 6004 , BS EN 50525

Cable Marking

2X1.00mm² FLEXIBLE CU/PVC/PVC/SHIELDED/PVC ELECTRIC CABLE 300/500 V IEC 60228, BS 6004 FAST CABLES LTD Y.O.M

Cable Drawing



2 X 1 MM2 FLEXIBLE CU PVC PVC TINNED COPPER BRAIDED PVC GREY : 300/500 V BS6004 : SHEATHING	Approx. Diameter	
Flexible Copper Conductor with round shape	mm	1.39
Insulated	mm	2.59
Laid up cores	mm	5.18
Bedding	mm	6.58
Tinned Copper Braided	mm	7.22
PVC-FR Outer Sheathing	mm	8.20-10.30