

Cable - General Wire

Cable Description: 3 X 2.5 MM2 CIRCULAR COMPACT CU PVC PVC BLACK : 300/500V BS6004
: SHEATHING

Design and Construction Data

Reference Manufacturing Standards		IEC 60228 BS 6004
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	3 x 2.5
Conductor Material & Shape		Copper & Stranded Class 2 Circular Compacted
Insulation Material		PVC
Insulation Nominal Thickness	mm	0.80
Insulation Color		Red, Yellow, Blue
Outer Sheath Material		PVC
Sheath Material Thickness	mm	1.20
Colour of Outer Sheath		Black
Approximate Cable Overall Diameter	mm	10.60
Approximate Cable Weight	Kg/km	181
Cable Length	Meter	1000 ±5%

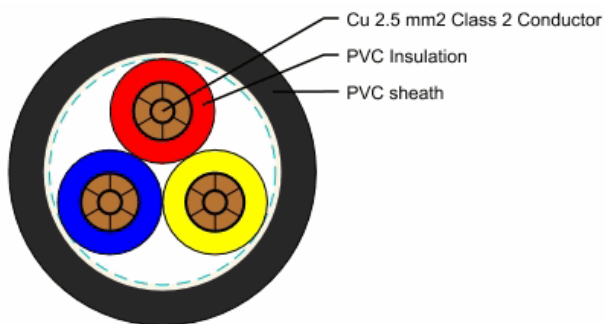
Electrical Data

Max Conductor DC resistance @ 20 °C	ohm/km	7.41
High Voltage Test at 2 kV for 5 min		No Breakdown Shall Occur
Min. Insulation Resistance Test @ 20 °C	M.Ω.Km	9
Max Conductor Short Circuit Current @ 1 Second	kA	0.288
Current Carrying Capacity		
Laid in Free air or on perforated cable tray @ 30 °C	Amp	25
Laid In Conduit or in Trunking @30 °C	Amp	20
Minimum Bending Radius	mm	6D
The Cable shall meet all Test requirements		IEC 60228 BS 6004

Cable Marking

3x2.5mm² CU/PVC/PVC ELECTRIC CABLE 300/500 V IEC 60228, BS 6004 FAST CABLES LTD Manufacturing Year - Meter marked

Cable Drawing



3 X 2.5 MM2 CIRCULAR COMPACT CU PVC PVC BLACK : 300/500V BS6004 : SHEATHING		Approx. Diameter
Stranded Copper Conductor with round shape	mm	2.01
Insulated	mm	3.61
Laid up Cores	mm	7.80
PVC-FR Outer Sheathing	mm	10.60