

Cable - General Wire

Cable Description: 4 X 4 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	4 x 4
Conductor Material & Shape		Copper & Stranded Class 2 Circular Compacted
Insulation Material		PVC
Insulation Nominal Thickness	mm	0.80
Insulation Color		Red, Yellow, Blue, Black
Outer Sheath Material		PVC
Sheath Material Thickness	mm	1.40
Colour of Outer Sheath		Black
Approximate Cable Overall Diameter	mm	13.24
Approximate Cable Weight	Kg/km	329
Cable Length	Meter	1000 ±5%

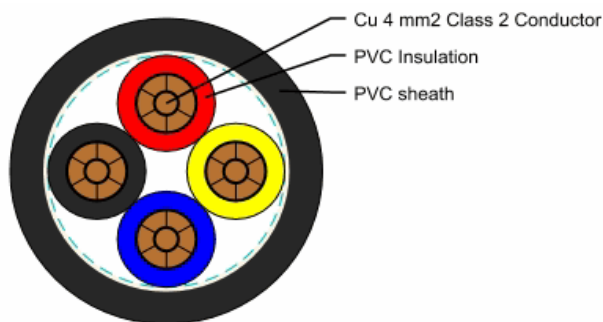
Electrical Data

Max Conductor DC resistance @ 20 °C	ohm/km	4.61
High Voltage Test at 2 kV for 5 min		No Breakdown Shall Occur
Min. Insulation Resistance Test @ 20 °C	M.Ω.Km	8
Max Conductor Short Circuit Current @ 1 Second	kA	0.460
Current Carrying Capacity		
Laid in Free air or on perforated cable tray @ 30 °C	Amp	34
Laid In Conduit or in Trunking @30 °C	Amp	27
Minimum Bending Radius	mm	6D
The Cable shall meet all Test requirements		IEC 60228 BS 6004

Cable Marking

4x4mm² CU/PVC/PVC ELECTRIC CABLE 300/500 V IEC 60228, BS 6004 FAST CABLES LTD Manufacturing Year - Meter marked

Cable Drawing



4 X 4 MM2 CIRCULAR COMPACT CU PVC PVC BLACK : 300/500V BS6004 : SHEATHING		Approx. Diameter
Stranded Copper Conductor with round shape	mm	2.55
Insulated	mm	4.15
Laid up Cores	mm	10.04
PVC-FR Outer Sheathing	mm	13.24