

Cable - General Wire

Cable Description: 4 X 6 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 6
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	14.62
Approximate Cable Weight	Kg/km	421
Cable Length	Meter	1000 ±5%

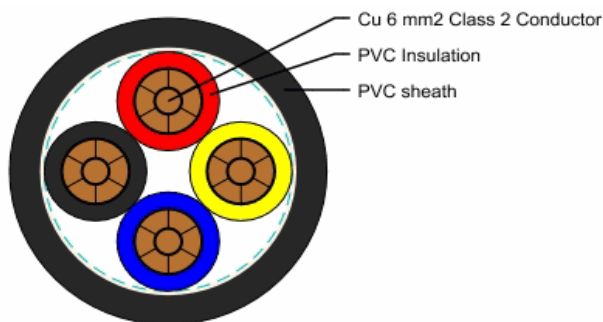
Electrical Data

Max Conductor DC resistance @ 20 °C	ohm/km	3.08
High Voltage Test at 2 kV for 5 min	No Breakdown Shall Occur	
Min. Insulation Resistance Test @ 20 °C	M.Ω.Km	7
Max Conductor Short Circuit Current @ 1 Second	kA	0.690
Current Carrying Capacity		
Laid in Free air or on perforated cable tray @ 30 °C	Amp	43
Laid In Conduit or in Trunking @30 °C	Amp	34
Minimum Bending Radius	mm	6D
The Cable shall meet all Test requirements	IEC 60228 BS 6004	

Cable Marking

4x6mm² CU/PVC/PVC ELECTRIC CABLE 300/500 V IEC 60228, BS 6004 FAST CABLES LTD Manufacturing Year - Meter marked

Cable Drawing



4 X 6 MM2 CIRCULAR COMPACT CU PVC PVC BLACK :	Approx. Diameter	
300/500V BS6004 : SHEATHING		
Stranded Copper Conductor with round shape	mm	3.12
Insulated	mm	4.72
Laid up Cores	mm	11.42
PVC-FR Outer Sheathing	mm	14.62