

Cable - Low Voltage Power

Cable Description: 4 X 300 MM2 SECTOR 90 CU PVC PVC BLACK : 600/1000 V IEC60502 PT 1

: SHEATHING

Design and Construction Data

Reference Manufacturing Standards	IEC 60228 IEC 60502 PT 1	
Max. Permissible Continuous Conductor Temp	°C	70
Max. Conductor Short Circuit Temp for 5 Seconds	°C	160
Rated Voltage ' Uo / U '	V	600/1000
Number of Conductors x Cross-Section	mm ²	4 x 300
Conductor Material & Shape	Copper & Stranded Class 2 Sector 90	
Insulation Material	PVC	
Insulation Nominal Thickness	mm	2.40
Insulation Color	RED, YELLOW, BLUE, BLACK	
Outer Sheath Material	PVC	
Sheath Material Thickness	mm	3.00
Colour of Outer Sheath	Black	
Approximate Cable Overall Diameter	mm	62.14
Approximate Cable Weight	Kg/km	13386
Cable Length	Meter	250 ±5%

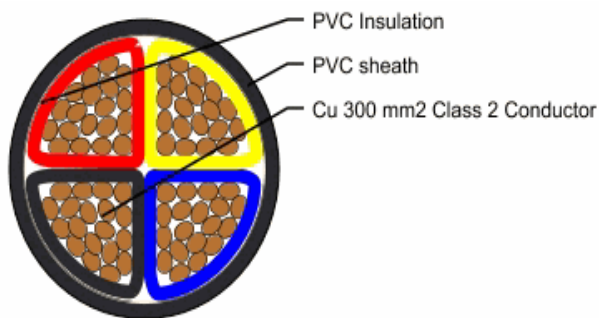
Electrical Data

Max Conductor DC resistance @ 20 °C	ohm/km	0.0601
High Voltage Test at 3.5 kV for 5 min	No Breakdown Shall Occur	
Min. Insulation Resistance Test @ 20 °C	M.Ω.Km	36.7
Max Conductor Short Circuit Current @ 1 Second	kA	34.50
Current Carrying Capacity		
Laid in Free air or on cable tray @ 30 °C	Amp	497
Laid in ground @ 20 °C	Amp	
Laid in Conduit or in Trunking @30 °C	Amp	336
Minimum Bending Radius	mm	8D
The Cable shall meet all Test requirements	IEC 60228 IEC 60502 PT 1	

Cable Marking

4x300mm² CU/PVC/PVC ELECTRIC CABLE 0.6/1kV IEC 60228, 60502-1 FAST CABLES LTD Manufacturing Year - Meter marked

Cable Drawing



4 X 300 MM2 SECTOR 90 CU PVC PVC BLACK 600/1000 V IEC60502 PT 1 : SHEATHING	Approx. Diameter	
Stranded Copper Conductor with sector shape	mm	19.54x27.55
Insulated	mm	24.34x32.35
Laid up Cores	mm	55.74
PVC-FR Outer Sheathing	mm	62.14