

Cable - Low Voltage Power

Cable Description: 4 X 35 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 35
Conductor Material & Shape	Copper & Stranded Class 2 Sector 90	
Insulation Material	PVC	
Insulation Nominal Thickness	mm	1.20
Insulation Color	RED, YELLOW, BLUE, BLACK	
Outer Sheath Material	PVC	
Sheath Material Thickness	mm	1.80
Colour of Outer Sheath	Black	
Approximate Cable Overall Diameter	mm	24.79
Approximate Cable Weight	Kg/km	1739
Cable Length	Meter	1000 ±5%

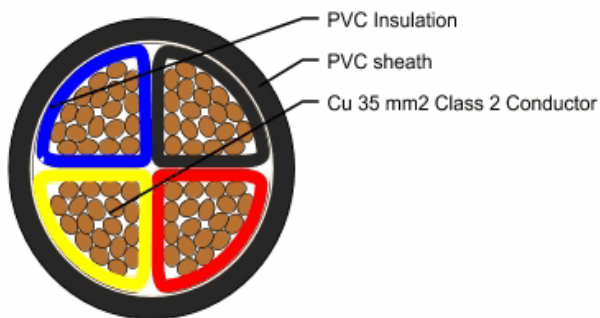
Electrical Data

Max Conductor DC resistance @ 20 °C	ohm/km	0.524
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	4.025
Current Carrying Capacity		
Laid in Free air or on cable tray @ 30 °C	Amp	126
Laid in ground @ 20 °C	Amp	
Laid in Conduit or in Trunking @30 °C	Amp	99
Minimum Bending Radius	mm	8D
The Cable shall meet all Test requirements	IEC 60228 IEC 60502 PT 1	

Cable Marking

4x35mm² CU/PVC/PVC ELECTRIC CABLE 0.6/1kV IEC 60228, 60502-1 FAST CABLES LTD Manufacturing Year - Meter marked

Cable Drawing



4 X 35 MM2 SECTOR 90 CU PVC PVC BLACK 600/1000 V IEC60502 PT 1 : SHEATHING	Approx. Diameter	
Stranded Copper Conductor with sector shape	mm	6.68x9.41
Insulated	mm	9.08x11.81
Laid up Cores	mm	20.79
PVC-FR Outer Sheathing	mm	24.79