



INDUSTRIAL FLEXIBLE BRAIDED CABLE

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DESIGN CODE : BCIS09CYTBY1004C0.5S

Particulars	4C X 0.5 SQ.MM
Manufacturer Name	Polycab India Ltd
Type of Cable	Tinned Copper Braided Flexible Cable
Rated Voltage (V)	1100V
Applicable Standard	Generally as per IS 694/2010
No. of cores (No.s)	4
Conductor	
a) Material	Plain annealed Flexible Class 5 copper as per IS 8130/2013 latest
b) Nominal conductor area (Sq.mm)	0.5
c) Max. D.C Cond. Resistance at 20 Deg. C. (Ohm/km)	39.0
Insulation	
a) Material	PVC Type 'A'
b) Nominal Thickness (mm)	0.6
c) Core Identification	Red, Yellow, Blue & Yellow/Green
Inner Sheath	
a) Material	Extruded PVC Type 'ST1' as per IS:5831/84
b) Minimum Thickness (mm)	0.3
c) Sheath Colour	Black
Overall Braiding	
a) Material	Annealed Tinned Copper
b) Nominal Braid Wire diameter (mm)	0.1
c) Coverage (%)	Approx. 60
Outer Sheath	
a) Material	Extruded PVC Type 'ST1' as per IS:5831/84
b) Nominal Thickness (mm)	0.9
c) Sheath Colour	Black

Approx. Overall Diameter (mm)	8.5
Max. conductor temp. under normal operating conditions (°C)	70°C
Max conductor temp at the termination of short circuit (°C)	160°C
Recommended minimum bending radius in mm	8 - 10 times the overall diameter of the cable
Max. Tensile strength when pulled with pulling eye (Kg)	10
Printing	Year of Manufacture POLYCAB 1100 V NO.OF CORE X SQ.MM