



INDUSTRIAL FLEXIBLE BRAIDED CABLE

Document ID: TE/QMS/F/02

DESIGN CODE : BCIS09CYTBY1004C001S

Particulars		4C X 1 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)		1.0
c) Max. D.C Cond. Resistance at 20 Deg. C. (Ohm/km)		19.5
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)	9.4
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)	20
Printing	Year of Manufacture POLYCAB 1100 V NO.OF CORE X SQ.MM