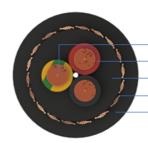


# CABLES





- Annealed Flexible copper conductor
- PVC Type A Insulation
- Inner sheath
- Tinned Copper Braid
- Extruded PVC Type ST1 Outer sheath

# INDUSTRIAL FLEXIBLE BRAIDED CABLE

### Document ID: TE/QMS/F/02

#### **DESIGN CODE : BCIS09CYTBY1003C1.5S**

Particulars	3C X 1.5 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)	3
Conductor	
a) Material	Plain annealed Flexible Class 5 copper as per IS 8130/2013 latest
b) Nominal conductor area (Sq.mm)	1.5
<ul> <li>Max. D.C Cond. Resistance at 20 Deg. C.</li> <li>(Ohm/km)</li> </ul>	13.3
Insulation	
a) Material	PVC Type 'A'
b) Nominal Thickness (mm)	0.6
c) Core Identification	Red, Black & 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



## CABLES

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)	23
Printing	Year of Manufacture POLYCAB 1100 V NO.OF CORE X SQ.MM

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Note:-The values given above are subject to tolerances as per the relevant standards

www.polycab.com | Toll Free No - 1800 267 0008 | Email: enquiry@polycab.com