



## INDUSTRIAL FLEXIBLE BRAIDED CABLE

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**DESIGN CODE : BCIS09CYTBY1003C006S**

| Particulars   | 3C X 6 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   |
| <b>Conductor</b>                                    |   |
| a) Material   | Plain annealed Flexible Class 5 copper as per IS 8130/2013 latest |
| b) Nominal conductor area (Sq.mm)                   | 6   |
| c) Max. D.C Cond. Resistance at 20 Deg. C. (Ohm/km) | 3.3   |
| <b>Insulation</b>                                   |   |
| a) Material   | PVC Type 'A'  |
| b) Nominal Thickness (mm)                           | 0.8   |
| c) Core Identification                              | Red, Black & Yellow/Green   |
| <b>Inner Sheath</b>                                 |   |
| a) Material   | Extruded PVC Type 'ST1' as per IS:5831/84                         |
| b) Minimum Thickness (mm)                           | 0.3   |
| c) Sheath Colour                                    | Black   |
| <b>Overall Braiding</b>                             |   |
| a) Material   | Annealed Tinned Copper  |
| b) Nominal Braid Wire diameter (mm)                 | 0.1   |
| c) Coverage (%)                                     | Approx. 60  |
| <b>Outer Sheath</b>                                 |   |
| a) Material   | Extruded PVC Type 'ST1' as per IS:5831/84                         |
| b) Nominal Thickness (mm)                           | 1.20  |
| c) Sheath Colour                                    | Black   |

|   |   |
|---|---|
| Approx. Overall Diameter (mm)                               | 14.1  |
| 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)     | 92  |
| Printing  | Year of Manufacture POLYCAB 1100 V NO.OF CORE X SQ.MM |