





## FR SINGLE CORE FLEXIBLE CABLE

**DESIGN CODE: LDIS09CYUAYF001C095S** 

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

Particulars  Name of Manufacturer Type of cable Voltage Grade (Volts) No of cores X size in Sq.mm.  Conductor  a) Material b) Max. d.c. resistance of conductor at 20° C (ohm/km) c) Shape of the conductor  a) Material b) Nominal thickness (mm) c) Core identification Approx. overall diameter of the cable in mm Maximum conductor temperature under normal operating condition Maximum conductor temperature at  Polycab India Ltd FR Polycab India Ltd FR Plain annealed high conductivity flexible copper conductor as per Class 5 of IS 8130/2013, latest 0.206 0.206  Plain annealed high conductivity flexible copper conductor as per Class 5 of IS 8130/2013, latest 1.6 0.206  Plain annealed high conductivity flexible copper conductor as per Class 5 of IS 8130/2013, latest 1.6 0.206  Plain annealed high conductivity flexible copper conductor as per Class 5 of IS 8130/2013, latest 1.6 0.206  Plain annealed high conductivity flexible copper conductor as per Class 5 of IS 8130/2013, latest 1.6 0.206  Plain annealed high conductivity flexible copper conductor as per Class 5 of IS 8130/2013, latest 1.6 0.206  Plain annealed high conductivity flexible copper conductor as per Class 5 of IS 8130/2013, latest 1.6 0.206  Plain annealed high conductivity flexible copper conductor as per Class 5 of IS 8130/2013, latest 1.5 0.206  O.206  O.206  O.206  O.206  FR O.206
Type of cable Voltage Grade (Volts) No of cores X size in Sq.mm.  Conductor  a) Material  b) Max. d.c. resistance of conductor at 20° C (ohm/km) c) Shape of the conductor  a) Material  FR PVC TYPE D as per IS 5831/1984, Latest b) Nominal thickness (mm) c) Core identification  Red / Black / Blue / Yellow / White / Grey Approx. overall diameter of the cable in mm Maximum conductor temperature under normal operating condition  FR PVC TYPE D as per IS 5831/1984, Latest 70° C
Type of cable Voltage Grade (Volts) No of cores X size in Sq.mm.  1 Core X 95 Sq.mm  Conductor  a) Material Plain annealed high conductivity flexible copper conductor as per Class 5 of IS 8130/2013, latest b) Max. d.c. resistance of conductor at 20° C (ohm/km) c) Shape of the conductor  Insulation  a) Material B) Nominal thickness (mm) C) Core identification Approx. overall diameter of the cable in mm Maximum conductor temperature under normal operating condition  FR PVC TYPE D as per IS 5831/1984, Latest D) Nominal thickness (mm) D) Core identification Red / Black / Blue / Yellow / White / Grey To C
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b) Nominal thickness (mm)  c) Core identification  Approx. overall diameter of the cable in mm  Maximum conductor temperature under normal operating condition  1.6  Red / Black / Blue / Yellow / White / Grey  15.7  70° C
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Approx. overall diameter of the cable in mm 15.7  Maximum conductor temperature under 70° C normal operating condition
Maximum conductor temperature under 70° C normal operating condition
normal operating condition
Maximum conductor temperature at 160° C
the terminal of short circuit
High voltage test 3kv
Continuous Current carrying capacities:
a) In Air at 40° C (A) 257
Applicable Standard IS 8130/2013, IS 5831/1984, IS 694/2010, etc. with latest up to date updates
Minimum bending radius 6 times Overall diameter
FR Properties
a) Oxygen Index Min. 29% as per ASTM D-2863
b) Temperature Index Min. 250 Deg. C as per ASTM D-2863
Standard packing length 100 meter coil, 300 meter coil, 500 meter, 1000 meter (Higher quantity in wodden drum)
Printing POLYCAB FR < SIZE SQ.MM> 1100V IS: 694 <isi logo=""> CM/L - 2832257, HALOL - <ce marking=""></ce></isi>

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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