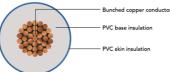
POLYCABPRIMMA BUILDING WIRE, 1100 V AC

POLYCAB





Images not to scale. Follow table for dimensions

APPLICATION

POLYCABPRIMMA wire is suitable for use where high flexibility is of prime importance. This is also suitable for indoor installation in industries, household appliances and building electrification.

CHARACTERISTICS

Voltage Rating

1100 V

Operation Temperature

Fixed: -15°C to 70°C

CONSTRUCTION

- Annealed bunched copper conductor as per IS 8130, class 5.
- Insulated by PVC Type D with FR-LF compound to IS 5831.

Core Identification

Red/Yellow/Blue/Black/Green/any customized colour

Mechanical & Physical Properties

- High Flexibility
- High surface lubrication suitable to conduit wiring
- Free from hazardous substances
- Resistant to Termite & Rodent
- Resistant to moisture for use in wet area
- High abrasion resistance
- Resistant to Acid & Alkali

Electrical Property

- High insulation resistance
- Higher current carrying capacity
- Electrical energy saving

OUTSTANDING FEATURES

- Optimized current carrying capacity
- Fire retardant and safe for protection
- Low carbon emission
- Low volatile organic content Less contamination
- High conductivity energy saving

STANDARD FOLLOWS

IS 8130:2013 IS 5831:1984 IS 694:2010

Test Voltage 3000 V AC at (20±5) °C

Bending Radii Fixed installation >6 x Overall Diameter Occasional >4 x Overall Diameter

COMPLIANCE

Conductor resistance test Flammability Oxygen index Temperature index IS 8130 IEC 60332-1 ASTM D 2863 IEC 60332-1

OUR ACCREDITATIONS









Document No.: 00644.Rev No.: 00 Date: 26-11-2024 / We reserve the rights to make technical changes.

POLYCABPRIMMA BUILDING WIRE, 1100 V AC

Product code	Nominal cross- sectional area	Class of conductor	No. of wire/wire dia.	Nominal insulation thickness	Overall dia. (Approx.)
	mm²		No./mm	mm	mm
LDIS09CYUAYF001C.75S	0.75	5	24/0.21	0.6	2.25
LDIS09CYUAYF001C001S	1	5	32/0.21	0.6	2.4
LDIS09CYUAYF001C1.5S	1.5	5	30/0.26	0.6	2.86
LDIS09CYUAYF001C2.5S	2.5	5	50/0.26	0.7	3.48
LDIS09CYUAYF001C004S	4	5	56/0.31	0.8	3.95
LDIS09CYUAYF001C006S	6	5	84/0.31	0.8	4.48

The above values are approximate and subject to standard manufacturing tolerance

Electrical Characteristics

Current carrying capacity and max. DC resistance

Nominal cross sectional area	Class of conductor	Current carrying capacity, 2	Maximum DC conductor resistance at 20°C	
		Reference Method B (enclosed in conduit on a wall or in trunking etc.)	Reference Method C (clipped direct)	
mm²		Amp.	Amp.	Ω/km
0.75	5	7	7.5	26
1	5	11	12	19.5
1.5	5	14	16	13.3
2.5	5	19	22	7.98
4	5	26	29	4.95
6	5	31	37	3.3

*Current carrying capacity values are in accordance with IS 3961 (Part 5), Ambient temperature 40°C, Operating temperature 70°C

Packaging

90 Mtr in mono and master carton

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