



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

OUR ACCREDITATIONS



APPROVAL



Product code	Nominal cross-sectional area	Class of conductor	No. of wire/wire dia.	Nominal insulation thickness	Overall dia. (Approx.)
	mm ²		No./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 cables in single phase		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)	
mm ²		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