



Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB HR-FR-LSH-LF Green wire is highly eco-friendly & suitable for use in places where extra fire safety and heat resistance is required along with high flexibility. 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 85°C

Bending Radius
 Fixed installation 6 x Overall Diameter
 Occasional 4 x Overall Diameter

CONSTRUCTION

- Annealed stranded or bunched copper conductor as per IS 8130, class 5
- Insulated by specially developed in-house compound.

Core Identification

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

Electrical Property

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

Mechanical & Physical Properties

- High Flexibility
- Free from hazardous substances
- Resistant to Termite & Rodent
- Resistant to moisture for use in wet area
- Resistant heat deformation
- Improved life expectancy
- Resistant to Acid & Alkali

Test Voltage

3000 V AC at (20±5) °C

OUTSTANDING FEATURES

- Higher current carrying capacity.
- High fire retardancy
- Low emission of toxic gases
- Low carbon emission, eco healthy
- Low volatile organic content – less contamination
- High conductivity electrolytic copper conductor

STANDARD FOLLOWS

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

COMPLIANCE

Conductor resistance test	IS 8130
Flammability	IEC 60332-1
Oxygen index	ASTM D 2863
Temperature index	ASTM D 2863
Halogen acid gas generation	IEC 60754-1
Smoke density	ASTM D 2843-19

OUR ACCREDITATIONS



APPROVAL



WEIGHT AND DIMENSIONAL DATA

Product Code	Nominal cross sectional area	Class of conductor	No. of wire/wire dia.	Nominal insulation thickness	Overall dia. (Approx.)
	mm ²		No./mm		
LDIS09CYUAYL001C.75S	0.75	5	24/0.21	0.6	2.25
LDIS09CYUAYL001C001S	1	5	32/0.21	0.6	2.4
LDIS09CYUAYL001C1.5S	1.5	5	30/0.26	0.6	2.86
LDIS09CYUAYL001C2.5S	2.5	5	50/0.26	0.7	3.48
LDIS09CYUAYL001C004S	4	5	56/0.31	0.8	3.95
LDIS09CYUAYL001C006S	6	5	84/0.31	0.8	4.48

Electrical Characteristics

Current carrying capacity and Max. DC conductor 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	8.0	8.54	26
1	5	12.7	13.9	19.5
1.5	5	16.2	18.5	13.3
2.5	5	22.0	25.5	7.98
4	5	31.2	34.8	4.95
6	5	37.2	44.4	3.3

The ambient temperature is 40°C.
 Conductor operating temperature 85°C.

Packaging

180/200/300 Mtr in pouch pack

POLYCAB