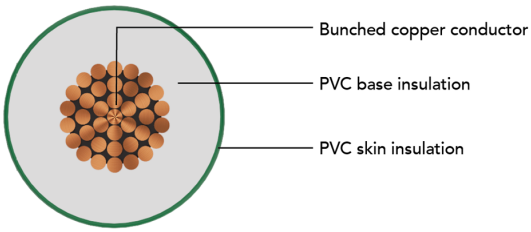
ETIRA FR-LSH
Building wire, 1100 V AC



Images not to scale. Follow table for dimensions

APPLICATION

ETIRA FR-LSH 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
Bending Radii
Fixed installation 6 x Overall Diameter
Occasional 4 x Overall Diameter

CONSTRUCTION

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

Core Identification
Red/Yellow/Blue/Black/Green/any customise colour

Electrical Property
• High insulation resistance
• Higher current carrying capacity

Test Voltage
3000 V AC at (20±5) °C

OUTSTANDING FEATURES

• High Flexibility
• High surface lubrication suitable to conduit wiring
• Resistant to moisture for use in wet area
• High abrasion resistance
• Resistant to Acid & Alkali

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 IEC 60332-1
Halogen acid gas generation IEC 60754-1
Smoke density ASTM D 2843-19

OUR ACCREDITATIONS

APPROVAL

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POLYCAB
IDEAS. CONNECTED.

WEIGHT & DIMESION DATA

Product code	Nominal cross-sectional area	No. of wire/wire dia.	Nominal insulation thickness	Overall dia. (Approx.)
	mm²	No./mm	mm	mm
LDIS09CYUAYL001C.75S	0.75	24/0.2	0.6	2.3
LDIS09CYUAYL001C001S	1	32/0.2	0.6	2.5
LDIS09CYUAYL001C1.5S	1.5	30/0.25	0.6	2.8
LDIS09CYUAYL001C2.5S	2.5	50/0.25	0.7	3.6
LDIS09CYUAYL001C004S	4	56/0.3	0.8	4.2
LDIS09CYUAYL001C006S	6	84/0.3	0.8	4.7

Electrical characteristics

Current carrying capacity and Max. DC conductor resistance.

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

The ambient temperature is 40°C.
Conductor operating temperature 70°C.

De-Rating Factor

De-rating factor for various ambient temperature.

Ambient Temperature	35°C	40°C	45°C	50°C	55°C	60°C	65°C
De-Rating Factor	1.08	1	0.91	0.82	0.7	0.57	0.4