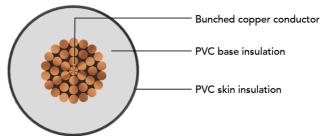
ETIRA FR Building wire, 1100 V AC







Images not to scale. Follow table for dimensions

APPLICATION

ETIRA FR 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 compound to IS 5831.

Core Identification

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

OUR ACCREDITATIONS



APPROVAL



Document No.: 00184.Rev No.: 00 01-01-2024 / We reserve the rights to make technical changes.

ETIRA FR Building wire, 1100 V AC



WEIGHT & DIMENSION:

Product code	Nominal cross- sectional area	No. of wire/wire dia.	Nominal insulation thickness mm	Overall dia. (Approx.) Mm	
	111111	110./111111	111111	1/1111	
LDIS09CYUAYF001C.75S	0.75	24/0.2	0.6	2.3	
LDIS09CYUAYF001C001S	1	32/0.2	0.6	2.5	
LDIS09CYUAYF001C1.5S	1.5	30/0.25	0.6	2.8	
LDIS09CYUAYF001C2.5S	2.5	50/0.25	0.7	3.6	
LDIS09CYUAYF001C004S	4	56/0.3	0.8	4.2	
2212070101111100100015	· · · · · · · · · · · · · · · · · · ·	20,00	0.0	2	
LDIS09CYUAYF001C006S	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

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