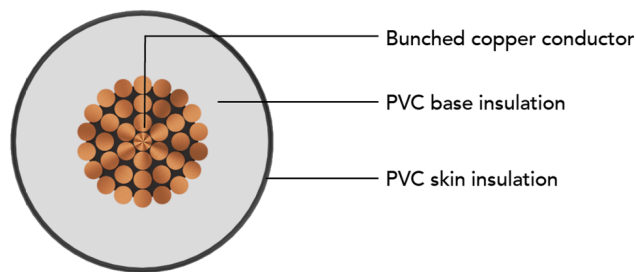


# ETIRA FR

## 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



**WEIGHT & DIMENSION:**

Product code	Nominal cross-sectional area	No. of wire/wire dia.	Nominal insulation thickness	Overall dia. (Approx.)
	mm <sup>2</sup>	No./mm	mm	Mm
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
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
	mm <sup>2</sup>	Amp.		
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