

Images not to scale. Follow table for dimensions

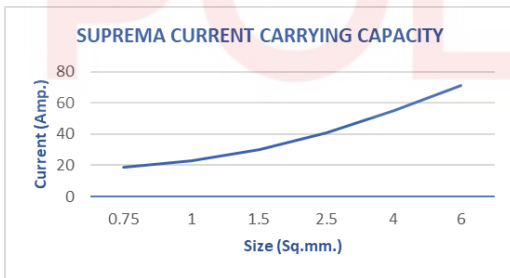
APPLICATION

POLYCABSUPREMA HRFR-CY-K, single conductor wire is designed to use in High rise buildings, Hospitals, Industrial Parks, Offices where heat resistance, insulation resistance and safety is major concern. Polycab Suprema can be installed in conduit wiring or clipped wiring for fixed installation.

CHARACTERISTICS

Voltage Rating
 1100 V grade

Operation Temperature
 Fixed: -15°C to + 105°C



CONSTRUCTION

- Annealed bare bunched copper conductor as per ASTM B 3, IS 8130 Class-5.
- Insulated with electron beam crosslinked flame-retardant in-house PVC compound as per IS 694, 2010, IS 5831.

Core Identification

Red/Black/Blue/Yellow/White/Grey/Green/Green-Yellow.
 Colour can be provided as per customer requirement against IS 694:2010

OUTSTANDING FEATURES

- Excellent Insulation resistance
- High heat resistance
- Oil & chemical resistance
- High abrasion resistance
- Improved current rating
- High moisture resistance
- Resistant to melt
- High life - 60+ years

STANDARD FOLLOWS

- ASTM B3
- Indian Standard - IS 694:2010/IS 8130/IS 5831

Bending Radius

Fixed: 4 X Overall Diameter
 Occasional: 6 X Overall Diameter

COMPLIANCE

Flammability test IEC 60332-1
 Oxygen index test ASTM D 2863

Other compliances

RoHS & reach compliant

OUR ACCREDITATIONS



APPROVAL



Dimensional and electrical properties:

Product Code	Nominal cross-sectional area	Class of Conductor	No. of strand/max. dia. of each strand	Nominal insulation thickness	Approx. overall diameter	Maximum DC conductor resistance at 20°C	Current carrying capacity 2 cables in single phase	
							Reference Method B (enclosed in conduit on a wall or in trunking)	Reference Method C (clipped direct to surface in air)
	mm ²		No./mm	mm	mm	Ω/km	Amp.	Amp.
LDIS09CNUANF001C.75S	0.75	Class 5	24/0.21	0.6	2.25	26	15	19
LDIS09CNUANF001C1.0S	1	Class 5	32/0.21	0.6	2.4	19.5	18	23
LDIS09CNUANF001C1.5S	1.5	Class 5	30/0.26	0.6	2.86	13.3	24	30
LDIS09CNUANF001C2.5S	2.5	Class 5	50/0.26	0.7	3.48	7.98	33	41
LDIS09CNUANF001C004S	4	Class 5	56/0.31	0.8	3.95	4.95	45	55
LDIS09CNUANF001C006S	6	Class 5	84/0.31	0.8	4.48	3.3	58	71

Packaging:

*SUPREMA : 90 Mtr in mono & master carton **SUPREMA : 100/200/300 Mtr in pouch

Electron Beam:

Introducing Electron Beam crosslinking process Polycab has developed high profile PVC compound that shows a superior performance in building wire application. This gives additional heat resistance & higher current rating for safe use during overload.