



# ARKA INDIA

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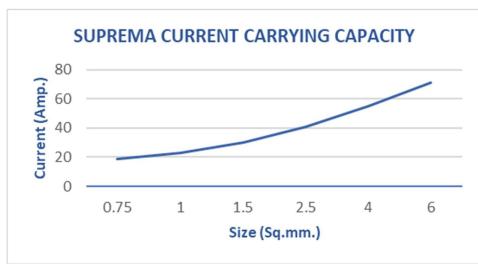
## APPLICATION

ARKACAB SM HRFR 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. ArkaCab SM 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 IS 8130 Class-5.
- Insulated with electron beam cross-linked flame-retardant in-house PVC compound as per IS 694.

## OUTSTANDING FEATURES

- Excellent Insulation
- Oil & chemical resistance
- High abrasion resistance
- Improved current rating
- High moisture resistance
- Resistant to melt resistance
- High heat resistance
- High life – Design for long operational life in any environment.

## Bending Radius

Fixed: 4 X Overall Diameter

Occasional: 6 X Overall Diameter

## OUR ACCREDITATIONS



## STANDARD FOLLOWS

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

## APPROVAL



## Packaging Images



## Arka India

Sector-3, Ballabhgarh, Faridabad, Haryana-121004 (Registered Gst Address)  
Website- <https://arkaindia.org>

**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                                 | Reference Method C (enclosed in conduit or in trunking) direct to surface in air) |
|                   | mm <sup>2</sup>              |                    | No./mm                                 | mm                           | mm                       | Ω/km                                    | Amp.                                               | Amp.                                                                              |
| ARKAIN01ARKAC.75S | 0.75                         | Class 5            | 24/0.21                                | 0.6                          | 2.25                     | 26                                      | 15                                                 | 19                                                                                |
| ARKAIN02ARKAC1.0S | 1                            | Class 5            | 32/0.21                                | 0.6                          | 2.4                      | 19.5                                    | 18                                                 | 23                                                                                |
| ARKAIN03ARKAC1.5S | 1.5                          | Class 5            | 30/0.26                                | 0.6                          | 2.86                     | 13.3                                    | 24                                                 | 30                                                                                |
| ARKAIN04ARKAC2.5S | 2.5                          | Class 5            | 50/0.26                                | 0.7                          | 3.48                     | 7.98                                    | 33                                                 | 41                                                                                |
| ARKAIN05ARKAC4.0S | 4                            | Class 5            | 56/0.31                                | 0.8                          | 3.95                     | 4.95                                    | 45                                                 | 55                                                                                |

**Packaging:**

\*ARKACAB SM : 90 Mtr in mono & master cartoon.

\*Length will be- 90mtr, 100mtr, 200mtr.



**Single Core multi-strands pure copper wire**

**Cross sectional view for House Wire**