Product Description:
PVC insulated cables, manufactured with Copper conductors confirming to Indian Standards.

Application:
- Used in fix wiring, panel wiring, domestic & industrial appliances

Approvals:
- RoHS compliant
- Good Chemical resistance

Product features
- Good resistance to thermal shock
- ROHS compliant available
- Good Chemical resistance

Colour Codes:
- Core Colour: Black, Red, Blue, Yellow, Grey, White, Green

Make Up:
- Solid/stranded electrolytic grade copper wires
- Insulation-PVC
- Outer sheath-PVC

Technical Data:
- Based on Indian Standard IS:694:2010
- Conductor: IS 8130:1984
- Insulation: Type A of IS 5831:1984
- Sheathing: ST 1 Type of IS 5831:1984
- Conductor stranding
  - Class 1 or Class 2 of IS 8130:1984
- Minimum bending radius
  - Oscillating flexing: 15 x cable diameter
  - Fixed installation: 4 x cable diameter
- Rated voltage
  - 450/750 V
- Test voltage
  - 3000 V rms
- Range of temperature
  - Normal Working Temp.: -15°C up to +70°C

Technical Data Table:

<table>
<thead>
<tr>
<th>Part number</th>
<th>conductor area mm²</th>
<th>Strands mm</th>
<th>Unsheathed cable</th>
<th>Sheathed cable</th>
<th>Resistance at 20°C Ohm/km Max.</th>
<th>Current rating Amps</th>
<th>Copper index kg/km</th>
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Note: Put Suffix S, with Part number, for sheathed cable.
**Product Description:**
FR/FRLS PVC insulated cables, manufactured with Copper conductors, confirming to IEC 60502/IS 694:2010.

**Application:**
- This cable is used in extinguishing systems to operate sprinklers & control panels.
- Application usage can be found in exit lights in high-rise buildings, hotels, hospitals, sub-ways, public facilities.
- Internal wiring of devices.

**Approvals:**
- RoHS
- ISO 9001
- CE

**Product features**
- Fire Retardent, Low smoke
- Good chemical resistance

**Colour Codes:**
- Generally cable is made in orange colour but colour can be customized as per requirement Colour (Black, Red, Blue, Brown, Yellow, Grey, White, Green, Yellow/Green)

**Technical Data:**
- **Based on**
  - Indian Standard IS:694:2010
  - Conductor : IS 8130:1984
  - Insulation : Type A of IS 5831:1984
  - Sheathing : ST 1 Type of IS 5831:1984

**Make Up:**
- Fine strands of electrolytic grade copper wires
- Insulation-FR/FRLS PVC
- Specific insulation resistance > 20 G Ohm x cm
- Conductor stranding: Fine wire in accordance to VDE 0295 Class 5 / IEC 60228 Class 5
- Minimum bending radius: Oscillating flexing: 15 x cable diameter
  Fixed installation: 4 x cable diameter
- Rated voltage: 450/750V
- Test voltage: 3000Vrms
- FRLS/Flame Properties:
  - Oxygen Index as per ASTM D 2863
  - Temperature Index as per ASTM D 2863
  - Smoke Density Rating as per ASTM D 2863
  - HCL Acid Gas Generation as per IEC 754/Pt-1
  - Flammability Test as per IEEE-383
  - Swedish Chimney Test as per SEN-SS4241475
  - Thermal Stability as per IS:10810 Pt. 60
- Range of temperature:
  - Working Temp.: -20°C up to +90°C/105°C

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**Part number** | **Nominal area conductor mm²** | **No. & dia. of wires in mm** | **Thickness of insulation in mm** | **Overall dia. in mm approx.** | **Current rating Amps** | **Weight kg/km approx.**
--- | --- | --- | --- | --- | --- | ---
RJ 0002 |  |  |  |  |  |  |
0002 00301 | 1.0 | 32/0.20 | 0.7 | 2.90 | 10 | 18 |
0002 00401 | 1.5 | 30/0.25 | 0.7 | 3.25 | 13 | 24 |
0002 00501 | 2.5 | 50/0.25 | 0.8 | 4.00 | 20 | 36 |
0002 00601 | 4.0 | 56/0.30 | 0.8 | 4.60 | 26 | 52 |
0002 00701 | 6.0 | 84/0.30 | 0.8 | 5.20 | 35 | 72 |
0002 00801 | 10 | 80/0.40 | 0.8 | 6.40 | 45 | 119 |
0002 00901 | 16 | 128/0.40 | 1.0 | 7.70 | 55 | 178 |
0002 01001 | 25 | 200/0.40 | 1.0 | 9.20 | 75 | 275 |
0002 01101 | 35 | 280/0.40 | 1.2 | 10.75 | 90 | 370 |
0002 01201 | 50 | 400/0.40 | 1.4 | 12.75 | 120 | 504 |
0002 01301 | 70 | 356/0.50 | 1.4 | 14.50 | 150 | 706 |
0002 01401 | 95 | 485/0.50 | 1.4 | 16.801 | 175 | 974 |
0002 01501 | 120 | 614/0.50 | 1.6 | 19.10 | 200 | 1212 |
0002 01601 | 150 | 765/0.50 | 1.6 | 21.00 | 230 | 1487 |
0002 01701 | 185 | 944/0.50 | 2.0 | 24.00 | 265 | 1860 |
Product Description:
ZHFR insulated cables, manufactured with Copper conductors, confirming to VDE 0207/0250.

Application:
- This cable is used in extinguishing systems to operate sprinklers & control panels.
- Application usage can be found in exit lights in high-rise buildings, hotels, hospitals, sub-ways, public facilities.
- For installation in tubes, in plaster as well as in ducts.
- In building with a high concentration of people or valuables.

Approvals:

Product features:
- Fire Retardent, Low smoke, Zero halogen
- Low Corrosivity of the glasses in case of fire.
- Good chemical resistance

Colour Codes:
- Generally cable is made in light blue colour but colour can be customized as per requirement Colour (Black, Red, Blue, Brown, Yellow, Grey, White, Green)

Technical Data:
- Based on VDE0207/23HJ
- VDE0250/503HJ3

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<th>Part number</th>
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<th>No. &amp; dia. of wires in mm</th>
<th>Thickness of insulation in mm</th>
<th>Overall dia. in mm approx.</th>
<th>Current rating Amps</th>
<th>Weight kg/km approx.</th>
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