Product Description:
This cable is suitable for control, instrumentation and telecommunication in the power stations.

Application:
Application usage can be found in power stations, mass transit underground passenger systems, airports, petrochemical plants, hotels, hospitals, high-rise buildings.

Approvals:

Product Features:
- Flame retardant, Low smoke
- Good chemical resistance

Colour Codes:
- Generally cable sheathing is made in orange colour. But colour can be customized, insulation Colours Black, Red, Blue, Brown, Yellow, Grey, White, Green, etc. or numbered.

Technical Data:
- **Design**
  - Conductors : Plain Annealed Copper Wire
  - Drain wire: Annealed, Tinned, Stranded copper

<table>
<thead>
<tr>
<th>Part number</th>
<th>Number of pairs/triple</th>
<th>Nominal area conductor mm²</th>
<th>No. &amp; dia. of wires in mm</th>
<th>Thickness of insulation in mm</th>
<th>Thickness of sheath in mm</th>
<th>Outer dia. in mm approx.</th>
<th>Weight kg/km approx.</th>
</tr>
</thead>
<tbody>
<tr>
<td>RJ 0404</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0404 00201</td>
<td>1(pair)</td>
<td>0.75</td>
<td>24/0.20</td>
<td>0.6</td>
<td>0.8</td>
<td>7.8</td>
<td>92</td>
</tr>
<tr>
<td>0404 00301</td>
<td>1.0</td>
<td>32/0.20</td>
<td>0.8</td>
<td>8.1</td>
<td>102</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0404 00501</td>
<td>1.5</td>
<td>30/0.25</td>
<td>0.8</td>
<td>9.0</td>
<td>120</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0404 00202</td>
<td>1.0</td>
<td>32/0.20</td>
<td>0.6</td>
<td>8.6</td>
<td>120</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0404 00302</td>
<td>1.5</td>
<td>30/0.25</td>
<td>0.8</td>
<td>9.5</td>
<td>142</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0404 00502</td>
<td>1.5</td>
<td>30/0.25</td>
<td>0.8</td>
<td>10.9</td>
<td>200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0404 00204</td>
<td>2.5</td>
<td>50/0.25</td>
<td>0.7</td>
<td>10.3</td>
<td>240</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0404 00304</td>
<td>2.5</td>
<td>50/0.25</td>
<td>0.7</td>
<td>10.9</td>
<td>240</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0404 00404</td>
<td>1.5</td>
<td>30/0.25</td>
<td>0.8</td>
<td>12.5</td>
<td>325</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0404 00504</td>
<td>1.5</td>
<td>30/0.25</td>
<td>0.8</td>
<td>12.5</td>
<td>325</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0404 00205</td>
<td>2(pairs)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0404 00305</td>
<td>2.5</td>
<td>50/0.25</td>
<td>0.7</td>
<td>12.5</td>
<td>325</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0404 00405</td>
<td>2.5</td>
<td>50/0.25</td>
<td>0.7</td>
<td>12.5</td>
<td>325</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0404 00505</td>
<td>2.5</td>
<td>50/0.25</td>
<td>0.7</td>
<td>12.5</td>
<td>325</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Make Up:**
  - Fine strands of electrolytic grade copper wires
  - Mica Tape Fire Barrier, on each conductor
  - FR/FRLS compound insulation
  - Cores twisted to form pairs and collectively twisted
  - FR/FRLS compound sheathing

- **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**
  - 300/500 V

- **Test voltage**
  - 2 KV/1 min

- **FRLS/Flame Properties**
  - Oxygen Index as per ASTM D 2863
  - Temperature Index as per ASTM D 2863
  - Smoke Density Rating as per ASTM D 2843
  - 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
  - Fire Survival Test as per IEC-331

- **Range of temperature**
  - Working Temp.: -20°C up to +90°C/105°C
Fire Resistant Instrumentation cable, overall double screened

**Product Description:**
This cable is suitable for control, instrumentation and telecommunication in the power stations.

**Application:**
Application usage can be found in power stations, mass transit underground passenger systems, airports, petrochemical plants, hotels, hospitals, high-rise buildings.

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

**Product Features:**
- Flame retardant, Low smoke
- Good chemical resistance

**Colour Codes:**
Generally cable sheathing is made in orange colour. But colour can be customized, insulation Colours Black, Red, Blue, Brown, Yellow, Grey, White, Green, etc. or numbered.

**Technical Data:**
- Design: Conductor: Plain Annealed Copper Wire
  - Drain wire: Annealed, Tinned, Stranded copper
  - Shield: Copper braid

**Make Up:**
- Fine strands of electrolytic grade copper wires
- Mica Tape Fire Barrier, on each conductor
- FR/FRLS Compound insulation
  - Core twisted in pairs and collectively Al Mylar tape wrapped with drain wire, TPC Screened
- FR/FRLS compound sheathing
- 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
  - 300/500 V
- Test voltage
  - 2 KV/1 min
- FRLS/Flame Properties
  - Oxygen Index as per ASTM D 2863
  - Temperature Index as per ASTM D 2863
  - Smoke Density Rating as per ASTM D 2843
  - 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
  - Fire Survival Test as per IEC-331
- Range of temperature
  - Working Temp: -20°C up to +90°C/105°C

**Part number| Number of pairs/triple| Nominal area conductor mm²| No. & dia. of wires in mm| Thickness of insulation in mm| Thickness of sheath in mm| Outer dia. in mm approx.| Copper index kg/km**
---|---|---|---|---|---|---|---
0405 00301 | 1(pair) | 0.75 | 24/0.20 | 0.6 | 1.3 | 9.30 | 42.50 |
0405 00302 | 1.0 | 32/0.20 | 0.6 | 1.3 | 9.70 | 48.54 |
0405 00401 | 1.5 | 30/0.25 | 0.6 | 1.4 | 10.40 | 60.44 |
0405 00501 | 2.5 | 50/0.25 | 0.7 | 1.4 | 11.40 | 82.26 |
0405 00301t | 1(triple) | 0.75 | 24/0.20 | 0.6 | 1.3 | 9.80 | 51.50 |
0405 00302t | 1.0 | 32/0.20 | 0.6 | 1.4 | 10.30 | 59.64 |
0405 00401t | 1.5 | 30/0.25 | 0.6 | 1.4 | 11.00 | 76.86 |
0405 00501t | 2.5 | 50/0.25 | 0.7 | 1.4 | 12.50 | 107.70 |
0405 00202 | 2(pairs) | 0.75 | 24/0.20 | 0.6 | 1.4 | 11.00 | 72.10 |
0405 00302 | 1.0 | 32/0.20 | 0.6 | 1.4 | 11.50 | 83.40 |
0405 00402 | 1.5 | 30/0.25 | 0.6 | 1.4 | 12.20 | 106.72 |
0405 00502 | 2.5 | 50/0.25 | 0.7 | 1.5 | 13.40 | 149.52 |
0405 00204 | 4(pairs) | 0.75 | 24/0.20 | 0.6 | 1.5 | 16.40 | 118.70 |
0405 00304 | 1.0 | 32/0.20 | 0.6 | 1.6 | 17.30 | 142.00 |
0405 00404 | 1.5 | 30/0.25 | 0.6 | 1.6 | 18.50 | 183.50 |
0405 00504 | 2.5 | 50/0.25 | 0.7 | 1.7 | 20.70 | 260.80 |