FIRE RESISTANT SINGLE CORE CABLE

Customization
Customized colour option and printing of the outer sheath on request

Fire Resistant Single Core Cable, Unsheathed — 90°C/105°C — RJ 0401

Product Description:
This cable is used in extinguishing systems to operate sprinklers & control panels.

Application:
Application usage can be found in exit lights in high-rise buildings, hotels, hospitals, sub-ways, public facilities.

Approvals:
RoHS · Environmentally Friendly · ISO 9001 Quality Assurance · IEEE 383 IEC 332-1, 2 · CE

Product Features:
- Fire resistant, 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)

Technical Data:
- **Specific insulation resistance**
  > 20 G Ohm x cm

Make Up:
- Fine strands of electrolytic grade copper wires
- Mica Tape Fire Barrier
- FR/FRLS Compound insulation

- **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**
  450/750 V
- **Test voltage**
  2.5 KV/5 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	Nominal area conductor mm²	No. & dia. of wires in mm	Thickness of insulation in mm	Overall dia. in mm approx.	Current Amps	Weight kg/km approx.
RJ 0401						
0401 00301	1.0	32/0.20	0.7	3.2	10	20
0401 00401	1.5	30/0.25	0.7	3.5	13	27
0401 00501	2.5	50/0.25	0.8	4.1	20	39
0401 00601	4	56/0.30	0.8	4.6	26	55
0401 00701	6	84/0.30	0.8	5.6	35	78
0401 00801	10	80/0.40	0.8	6.5	45	120
0401 00901	16	128/0.40	1.0	7.6	55	180
0401 01001	25	200/0.40	1.0	9.0	75	275
0401 01101	35	280/0.40	1.2	10.2	90	370
0401 01201	50	400/0.40	1.2	12.0	120	515
0401 01301	70	356/0.50	1.4	13.8	150	706
0401 01401	95	485/0.50	1.4	15.8	175	974
0401 01501	120	614/0.50	1.6	17.8	200	1212
0401 01601	150	765/0.50	1.6	19.8	230	1487
0401 01701	185	944/0.50	2.0	22.2	265	1860

FIRE RESISTANT SINGLE CORE CABLE

Customization
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Fire Resistant Single Core Cable, Sheathed 90°C/105°C RJ 0402

Product Description:
This cable is specially designed for areas where integrity of electrical circuit is critical to maintain the power supply.

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

Approvals:
RoHS, Environmentally Friendly, ISO 9001 Quality Assurance, IEEE 383 IEC 332-1, 2, CE

Product Features:
- Fire resistant, 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)

Technical Data:
- **Specific insulation resistance**

> 20 G Ohm x cm

Make Up:
- Fine strands of electrolytic grade copper wires
- Mica Tape Fire Barrier
- XLPE Compound insulation
- FR/FRLS compound sheath

- **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**
  600/1000 V
- **Test voltage**
  3.5 KV/5 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	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.	Current Amps	Weight kg/km approx.
RJ 0402							
0402 00401	1.5	32/0.20	0.7	1.4	6.3	13	56
0402 00501	2.5	30/0.25	0.7	1.4	6.7	20	70
0402 00601	4	50/0.25	0.7	1.4	7.3	26	90
0402 00701	6	56/0.30	0.7	1.4	7.8	35	115
0402 00801	10	84/0.30	0.7	1.4	8.8	45	160
0402 00901	16	80/0.40	0.7	1.4	10.0	55	230
0402 01001	25	128/0.40	0.9	1.4	11.8	75	330
0402 01101	35	200/0.40	0.9	1.4	13.3	90	440
0402 01201	50	280/0.40	1.0	1.4	15.2	120	600
0402 01301	70	400/0.40	1.1	1.4	17.2	150	820
0402 01401	95	356/0.50	1.1	1.5	19.4	175	1095
0402 01501	120	485/0.50	1.2	1.5	21.7	200	1350
0402 01601	150	614/0.50	1.4	1.6	24.2	230	1160
0402 01701	185	765/0.50	1.6	1.6	27.0	265	2035