

RT-101

RTD CABLE

PTFE - PTFE INSULATED - 260°C



DIN 43760, JSS 51034, IS 8130

Voltage Grade : 600V

SPECIFICATIONS

| | |
|-----------------|---|
| Conductor | : Solid, Multistrand, Copper Material (Bare Copper, Nickel Plated Copper, Silver Plated Copper) |
| Core Insulation | : PTFE Insulated |
| Construction | : Twisted |
| Outer Jacket | : PTFE Sheathed |
| Operating Temp. | : 260°C |
| Color Code | : According to DIN |

FEATURES

- ✓ Max. Temp. Up to 260°C
- ✓ Excellent Heat Resistant
- ✓ Outstanding Insulating Properties
- ✓ Good Thermal Stability
- ✓ Good Mechanical Strength
- ✓ Flame Retardant
- ✓ Passes JSS 51034 Flame Test
- ✓ Halogen free

AVAILABLE OPTIONS

- ✓ Metal Braiding Over Jacket
- ✓ Twisted / Shielded Pair
- ✓ Color Code as per Customer Requirement
- ✓ Asbestos Braiding for Better Chemical & Heat Resistance Purpose
- ✓ Available in 1.1 KV Grade

CONSTRUCTION DETAILS AND DIMENSIONS

| Cable Oding Code | Wire Type | AWG / SWG No | No of Strands | Strand Dia (mm) | Cross Section Area (mm ²) | Nominal Bundled Conductor Dia (mm) | Cable Formation | Nominal Cable Diameter mm (Flat) | Nominal Cable Diameter mm (Twisted) | Cable Wgt (Approx.) Kg/Km |
|------------------|-------------|-------------------------|---------------|-----------------|---------------------------------------|------------------------------------|-----------------|----------------------------------|-------------------------------------|---------------------------|
| RT101 | Multistrand | AWG 26/7/34 | 7 | 0.16 | 0.14 | 0.48 | Twisted | - | 2.4 | 11 |
| RT102 | Solid | AWG 24 | 1 | 0.51 | 0.2 | 0.51 | Twisted | - | 2.5 | 15 |
| RT103 | Multistrand | AWG 24/7/32 OR 7/36 SWG | 7 | 0.2 | 0.22 | 0.61 | Twisted | - | 2.8 | 16 |
| RT104 | Multistrand | AWG 22/7/30 | 7 | 0.25 | 0.34 | 0.76 | Twisted | - | 3.3 | 22 |
| RT105 | Multistrand | AWG 22/19/34 | 19 | 0.16 | 0.38 | 0.81 | Twisted | - | 3.4 | 24 |
| RT106 | Multistrand | 7X32 SWG | 7 | 0.27 | 0.42 | 0.82 | Twisted | - | 3.4 | 26.0 |
| RT107 | Multistrand | 16X32 AWG | 16 | 0.20 | 0.50 | 0.90 | Twisted | - | 3.5 | 29.0 |
| RT108 | Multistrand | 7X29 AWG | 7 | 0.30 | 0.50 | 0.90 | Twisted | - | 3.5 | 29.0 |
| RT109 | Solid | 1 X 20 AWG | 1 | 0.81 | 0.50 | 0.81 | Twisted | - | 3.5 | 29.0 |
| RT110 | Multistrand | 7X27 AWG | 7 | 0.37 | 0.75 | 1.11 | Twisted | - | 4.3 | 40.0 |
| RT111 | Multistrand | 24X32 AWG | 24 | 0.20 | 0.75 | 1.11 | Twisted | - | 4.3 | 40.0 |
| RT112 | Solid | 18 AWG | 1 | 1.02 | 0.81 | 1.02 | Twisted | - | 4.2 | 43.0 |
| RT113 | Multistrand | 14X29 AWG | 14 | 0.30 | 1.00 | 1.30 | Twisted | - | 4.8 | 52.0 |
| RT114 | Multistrand | 32X32 AWG | 32 | 0.20 | 1.00 | 1.30 | Twisted | - | 4.8 | 52.0 |
| RT115 | Multistrand | 7 X 27 SWG | 7 | 0.43 | 1.00 | 1.30 | Twisted | - | 4.8 | 52.0 |
| RT116 | Multistrand | 3X22 SWG | 3 | 0.71 | 1.20 | 1.55 | Twisted | - | 5.5 | 62.0 |
| RT117 | Multistrand | 40X36 SWG | 40 | 0.19 | 1.25 | 1.40 | Twisted | - | 5.1 | 65.0 |
| RT118 | Solid | 16 AWG | 1 | 1.29 | 1.30 | 1.29 | Twisted | - | 4.8 | 68.0 |
| RT119 | Multistrand | 19 x 29 AWG | 19 | 0.30 | 1.30 | 1.50 | Twisted | - | 5.5 | 68.0 |
| RT120 | Multistrand | 19 X 28 AWG | 19 | 0.32 | 1.50 | 1.60 | Twisted | - | 5.7 | 72.0 |
| RT121 | Multistrand | 21X29 AWG | 21 | 0.30 | 1.50 | 1.55 | Twisted | - | 5.7 | 72.0 |
| RT122 | Multistrand | 7X24 AWG | 7 | 0.53 | 1.50 | 1.55 | Twisted | - | 5.7 | 72.0 |
| RT123 | Multistrand | 48X36 SWG | 48 | 0.19 | 1.50 | 1.55 | Twisted | - | 5.7 | 72.0 |

Note : Above parameters are considering 3 core RTD cable

ORDERING CODE

| Conductor Size | Type of Conductor | No. of Core | Color Code | Cable Formation |
|----------------|--------------------------|--------------------------|-------------------|-----------------|
| (RTXXX) | (XXX) | (XX) | (XXX) | (X) |
| 101 to 123 | BC0 NPC SPC PN0 | 02 03 - - 36 | RW0 RRW CS0 | T-(Twisted) |

Note : BC0 (Bare Copper), NPC (Nickel Plated Copper), SPC (Silver Plated Copper), PN0 (Pure Nickel), RW0 (Red - White), RRRW (Red - Red - White), CS0 (Customer specification)