

# RT-301

## RTD CABLE

**PTFE - PTFE - COPPER SCREENING - PTFE INSULATED - 260°C**



DIN 43760, JSS 51034, JSS 51038, 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
Isolator	: PTFE Insulation
Screening	: Copper Screening
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
- ✓ Very good chemical Resistivity
- ✓ Good Abrasion Resistance
- ✓ Good Thermal Stability
- ✓ Flame retardant
- ✓ Halogen free

### AVAILABLE OPTIONS

- ✓ Twisted / Shielded Triad
- ✓ Color Code as per Customer Requirement
- ✓ Available with 1.1 KV Grade
- ✓ Asbestos Braiding for Better Chemical & Heat Resistance Purpose

### CONSTRUCTION DETAILS AND DIMENSIONS

Cable Oding Code	Wire Type	AWG / SWG No	No of Strands	Strand Dia (mm)	Cross Section Area (mm <sup>2</sup> )	Nominal Bunched Conductor Dia (mm)	Cable Formation	Nominal Cable Diameter mm (Flat)	Nominal Cable Diameter mm (Twisted)	Cable Wgt (Approx.) Kg/Km
RT301	Multistrand	AWG 26/7/34	7	0.16	0.14	0.48	Twisted	-	3	25
RT302	Solid	AWG 24	1	0.51	0.2	0.51	Twisted	-	3.5	28
RT303	Multistrand	AWG 24/7/32 OR 7/36 SWG	7	0.2	0.22	0.61	Twisted	-	3.5	30
RT304	Multistrand	AWG 22/7/30	7	0.25	0.34	0.76	Twisted	-	4.2	40
RT305	Multistrand	AWG 22/19/34	19	0.16	0.38	0.81	Twisted	-	4.3	42
RT306	Multistrand	7X32 SWG	7	0.27	0.42	0.82	Twisted	-	4.3	46.0
RT307	Multistrand	16X32 AWG	16	0.20	0.50	0.90	Twisted	-	4.6	50.0
RT308	Multistrand	7X29 AWG	7	0.30	0.50	0.90	Twisted	-	4.6	50.0
RT309	Solid	AWG 20	1	0.81	0.51	0.81	Twisted	-	4.3	50
RT310	Multistrand	7X27 AWG	7	0.37	0.75	1.11	Twisted	-	5	55.0
RT311	Multistrand	24X32 AWG	24	0.20	0.75	1.11	Twisted	-	5	55.0
RT312	Solid	18 AWG	1	1.02	0.81	1.02	Twisted	-	5	65.0
RT313	Multistrand	14X29 AWG	14	0.30	1.00	1.30	Twisted	-	5.5	72.0
RT314	Multistrand	32X32 AWG	32	0.20	1.00	1.30	Twisted	-	5.5	72.0
RT315	Multistrand	7 X 27 SWG	7	0.43	1.00	1.30	Twisted	-	5.5	72.0
RT316	Multistrand	3X22 SWG	3	0.71	1.20	1.55	Twisted	-	6.1	80.0
RT317	Multistrand	40X36 SWG	40	0.19	1.25	1.40	Twisted	-	5.8	85.0
RT318	Solid	16 AWG	1	1.29	1.30	1.29	Twisted	-	5.5	95.0
RT319	Multistrand	19 x 29 AWG	19	0.30	1.30	1.50	Twisted	-	5.8	95.0
RT320	Multistrand	19 X 28 AWG	19	0.32	1.50	1.60	Twisted	-	5.9	105.0
RT321	Multistrand	21X29 AWG	21	0.30	1.50	1.55	Twisted	-	5.8	105.0
RT322	Multistrand	7X24 AWG	7	0.53	1.50	1.55	Twisted	-	5.8	105.0
RT323	Multistrand	48X36 SWG	48	0.19	1.50	1.55	Twisted	-	5.8	105.0

**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)
301 to 323	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), RRW (Red - Red - White), CS0 (Customer specification)