

# RFG-101

## RTD CABLE

**POLYIMIDE - FIBER GLASS - FIBER GLASS INSULATED - 400°C**



### SPECIFICATIONS

Conductor	: Solid, Multistrand, Copper Material (Bare Copper, Nickel Plated Copper, Silver Plated Copper, Tinned Plated Copper)
Core Insulation	: Polyimide + Fiber Glass Insulation with High Temperature Varnish
Construction	: Twisted
Outer Sheath	: Fiber Glass Braiding with High Temperature Varnish
Operating Temp.	: 400°C
Color Code	: According to DIN

### FEATURES

Max. Temp. Up to 400°C  
 Outstanding Insulating Properties  
 Low Dielectric Constant  
 Very Good Chemical Resistivity  
 Good Abrasion Resistance

### AVAILABLE OPTIONS

Shielding of Tape & Metal  
 Overall Metal Covering  
 Color Code as per Customer Requirement  
 Available with 1.1 KV Grade  
 Asbestos Covering

DIN 43760, IS 8130,

Voltage Grade : 300V

## CONSTRUCTION DETAILS AND DIMENSIONS

Cable Oding Code	Wire Type	AWG / SWG No	No of Strands	Strain Dia (mm)	Cross Section Area (mm <sup>2</sup> )	Nominal Bunched Conductor	Cable Formation	Nominal Cable Diameter	Nominal Cable Diameter	Cable Wgt (Approx.) Kg/Km
RFG101	Multistrand	AWG 26/7/34	7	0.16	0.14	0.48	Twisted	-	3	18
RFG102	Solid	AWG 24	1	0.51	0.2	0.51	Twisted	-	3.3	22
RFG103	Multistrand	AWG 24/7/32	7	0.2	0.22	0.61	Twisted	-	3.4	24
RFG104	Multistrand	AWG 22/7/30	7	0.25	0.34	0.76	Twisted	-	3.6	30
RFG105	Multistrand	AWG 22/19/34	19	0.16	0.38	0.81	Twisted	-	3.8	32
RFG106	Multistrand	7X32 SWG	7	0.27	0.42	0.82	Twisted	-	3.8	35.0
RFG107	Multistrand	16X32 AWG	16	0.20	0.50	0.90	Twisted	-	4.1	40.0
RFG108	Multistrand	7X29 AWG	7	0.30	0.50	0.90	Twisted	-	4.1	40.0
RFG109	Solid	AWG 20	1	0.81	0.51	0.81	Twisted	-	3.8	40
RFG110	Multistrand	7X27 AWG	7	0.37	0.75	1.11	Twisted	-	4.6	48.0
RFG111	Multistrand	24X32 AWG	24	0.20	0.75	1.11	Twisted	-	4.6	48.0
RFG112	Solid	18 AWG	1	1.02	0.81	1.02	Twisted	-	4.3	52.0
RFG113	Multistrand	14X29 AWG	14	0.30	1.00	1.30	Twisted	-	5.1	59.0
RFG114	Multistrand	32X32 AWG	32	0.20	1.00	1.30	Twisted	-	5.1	59.0
RFG115	Multistrand	7 X 27 SWG	7	0.43	1.00	1.30	Twisted	-	5.1	59.0
RFG116	Multistrand	3X22 SWG	3	0.71	1.20	1.55	Twisted	-	5.7	65.0
RFG117	Multistrand	40X36 SWG	40	0.19	1.25	1.40	Twisted	-	5.4	70.0
RFG118	Solid	16 AWG	1	1.29	1.30	1.29	Twisted	-	5.1	75.0
RFG119	Multistrand	19 x 29 AWG	19	0.30	1.30	1.50	Twisted	-	5.6	75.0
RFG120	Multistrand	19 X 28 AWG	19	0.32	1.50	1.60	Twisted	-	5.8	85.0
RFG121	Multistrand	21X29 AWG	21	0.30	1.50	1.55	Twisted	-	5.7	85.0
RFG122	Multistrand	7X24 AWG	7	0.53	1.50	1.55	Twisted	-	5.7	85.0
RFG123	Multistrand	48X36 SWG	48	0.19	1.50	1.55	Twisted	-	5.7	85.0

**Note :** Above parameters are considering 3 core RTD cable

### ORDERING CODE

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

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