

250C/600V

# TEMPERGARD FZ-101

## HIGH-TEMPERATURE CABLE

### RATINGS / APPROVALS

**250°C – 600 Volts** - continuous temperature rating under normal service conditions

**400°C – 600 Volts** - temporary temperature rating for short periods

Passes IEEE-383 (modified) 210,000 BTU Vertical Cable Tray Fire Propagation Test



### CONSTRUCTION

#### Conductors

22 AWG – 2 AWG

Flexible stranded nickel coated copper-27%

#### Insulating System

Reinforced mica and PTFE fluoropolymer insulation tape wraps with fiberglass braid cover over each insulated conductor. High temperature tracers are woven into the braid for K-4 color coding. (Unless specified)

#### Overall Binder Tapes

Flame and heat resistant reinforced mica tape with fused PTFE fluoropolymer tape overall.

#### Outer Covering

Braided fiberglass with high temperature finish.

#### Standard Color

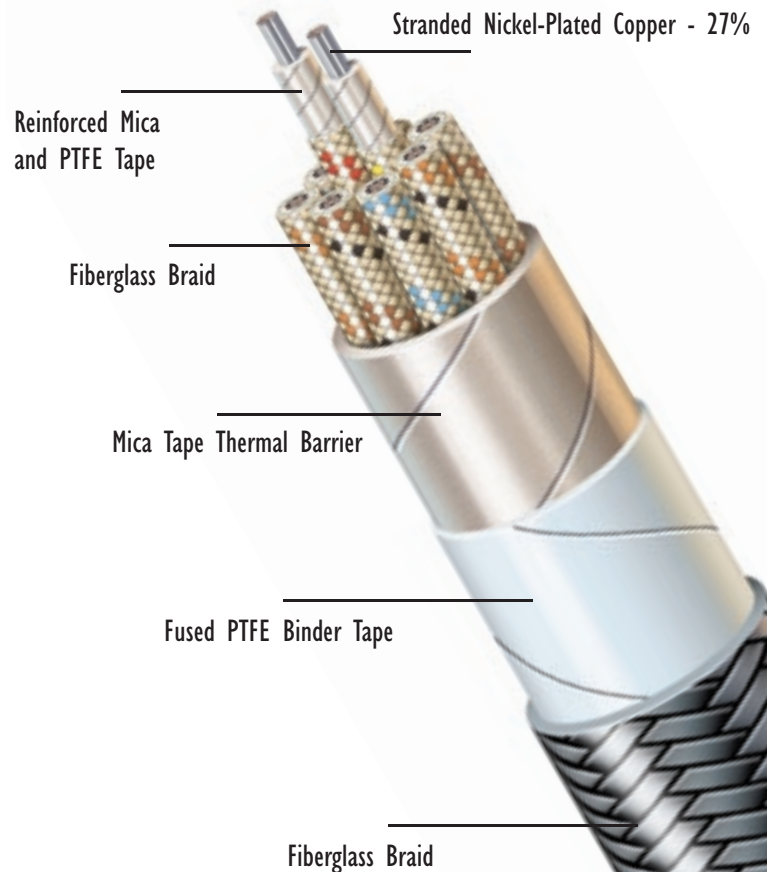
Black (Colors available)

### CHARACTERISTICS

- Moisture, oil, fluid and abrasion resistant.
- Fillers, where needed, are made with flame impervious fibers with moisture repellent finish.
- Cable utilizes Radix “Torque Free” design. This eliminates memory found in traditional right hand or left hand twisted cables.
- Binder tapes provide heat and moisture resistance.
- Not recommended for outdoor use.

### APPLICATION

For use in circuits where the preservation of circuit integrity under abusive, high temperature environments is required. Used in iron, steel, paper, and glass plants.



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# SPECIFICATIONS

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Part No.	Awg. Size	# Strands	# Leads	Outer Dia. inches	Outer Dia. mm	Wgt - lbs per 1000 ft.	Wgt - kg per km
BR18GC02T	18	16	2	0.287	7.29	51.12	76.08
BR18GC03T	18	16	3	0.301	7.65	62.66	93.25
BR18GC04T	18	16	4	0.325	8.26	72.90	108.49
BR18GC05T	18	16	5	0.354	8.99	88.36	131.50
BR18GC06T	18	16	6	0.383	9.73	101.50	151.06
BR16GC02T	16	26	2	0.311	7.90	63.14	93.97
BR16GC03T	16	26	3	0.327	8.31	77.87	115.89
BR16GC04T	16	26	4	0.355	9.02	92.60	137.81
BR16GC05T	16	26	5	0.387	9.83	112.62	167.61
BR16GC06T	16	26	6	0.420	10.67	130.33	193.96
BR14GC02T	14	41	2	0.337	8.56	77.62	115.52
BR14GC03T	14	41	3	0.356	9.04	98.42	146.47
BR14GC04T	14	41	4	0.386	9.80	119.37	177.65
BR14GC05T	14	41	5	0.423	10.74	145.69	216.82
BR14GC06T	14	41	6	0.460	11.68	169.70	252.55
BR12GC02T	12	65	2	0.377	9.58	102.70	152.84
BR12GC03T	12	65	3	0.398	10.11	132.50	197.19
BR12GC04T	12	65	4	0.434	11.02	163.86	243.86
BR12GC05T	12	65	5	0.477	12.12	200.69	298.67
BR12GC06T	12	65	6	0.520	13.21	235.21	350.05
BR10GC02T	10	105	2	0.443	11.25	142.06	211.42
BR10GC03T	10	105	3	0.470	11.94	193.25	287.60
BR10GC04T	10	105	4	0.514	13.06	241.66	359.65
BR10GC05T	10	105	5	0.573	14.55	301.50	448.70
BR10GC06T	10	105	6	0.625	15.88	353.60	526.24

Standard conductor: Nickel Coated Copper-27%

Consult factory for alternate conductor and stranding options.

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All dimensions listed above are nominal.

Information included in this catalog is intended as a guideline only. For applications that require tight tolerances, please contact the Radix factory for dimensional verification. Information herein is believed to be accurate as of publication date; however, if an error exists it is unintentional and Radix Wire Company, Inc. is not responsible for any claim traceable to such error.



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