

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

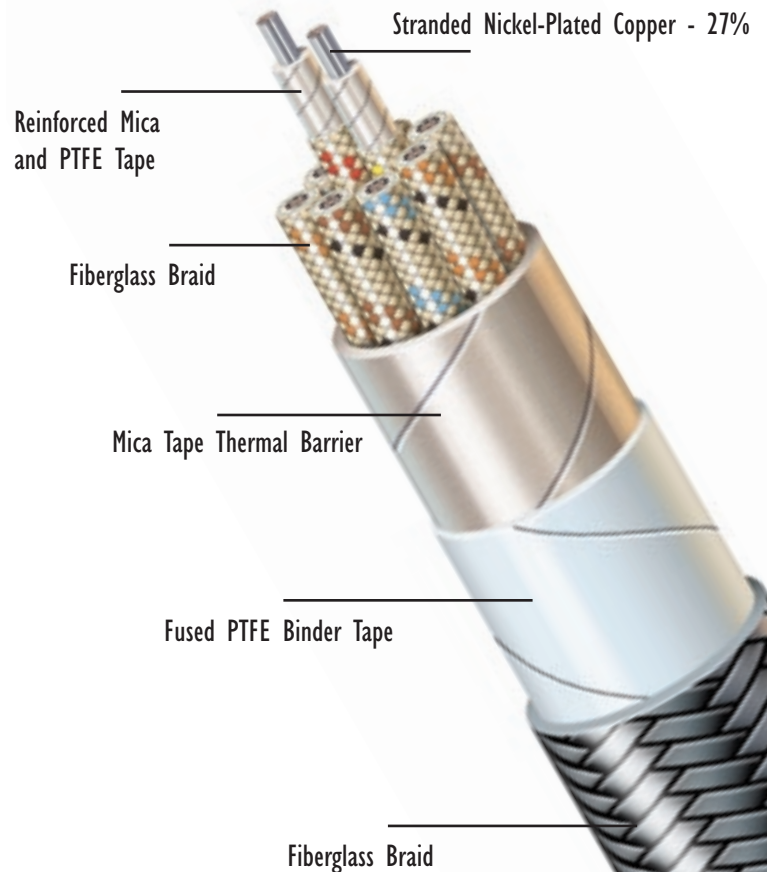
Black (Colors available)

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.



Radix Wire Company

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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
BRI8GC02T	18	16	2	0.287	7.29	51.12	76.08
BRI8GC03T	18	16	3	0.301	7.65	62.66	93.25
BRI8GC04T	18	16	4	0.325	8.26	72.90	108.49
BRI8GC05T	18	16	5	0.354	8.99	88.36	131.50
BRI8GC06T	18	16	6	0.383	9.73	101.50	151.06
BRI6GC02T	16	26	2	0.311	7.90	63.14	93.97
BRI6GC03T	16	26	3	0.327	8.31	77.87	115.89
BRI6GC04T	16	26	4	0.355	9.02	92.60	137.81
BRI6GC05T	16	26	5	0.387	9.83	112.62	167.61
BRI6GC06T	16	26	6	0.420	10.67	130.33	193.96
BRI4GC02T	14	41	2	0.337	8.56	77.62	115.52
BRI4GC03T	14	41	3	0.356	9.04	98.42	146.47
BRI4GC04T	14	41	4	0.386	9.80	119.37	177.65
BRI4GC05T	14	41	5	0.423	10.74	145.69	216.82
BRI4GC06T	14	41	6	0.460	11.68	169.70	252.55
BRI2GC02T	12	65	2	0.377	9.58	102.70	152.84
BRI2GC03T	12	65	3	0.398	10.11	132.50	197.19
BRI2GC04T	12	65	4	0.434	11.02	163.86	243.86
BRI2GC05T	12	65	5	0.477	12.12	200.69	298.67
BRI2GC06T	12	65	6	0.520	13.21	235.21	350.05
BRI0GC02T	10	105	2	0.443	11.25	142.06	211.42
BRI0GC03T	10	105	3	0.470	11.94	193.25	287.60
BRI0GC04T	10	105	4	0.514	13.06	241.66	359.65
BRI0GC05T	10	105	5	0.573	14.55	301.50	448.70
BRI0GC06T	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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