

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 wrapped 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

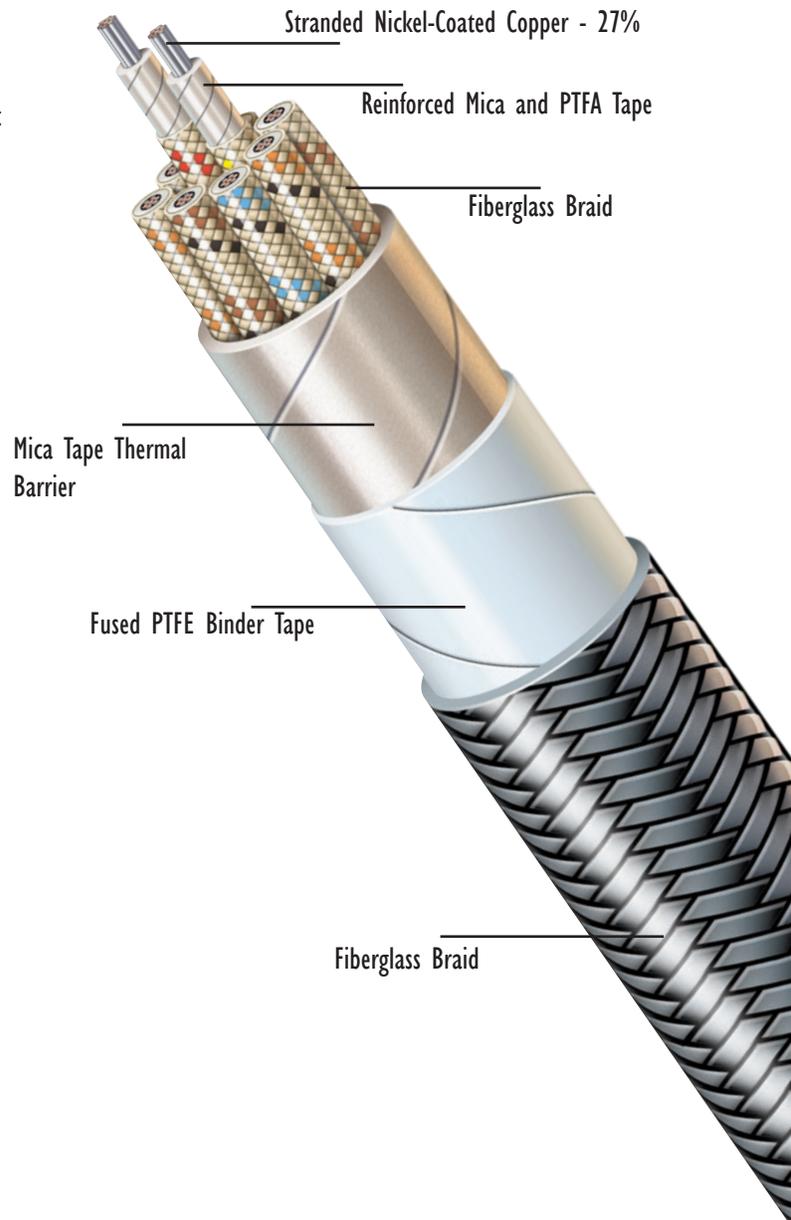
Black (Colors available)

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 alternative conductor and stranding options.

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 & Cable is not responsible for any claim traceable to such error.

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