

250C/600V

TEMPERFLEX 250 HIGH-TEMPERATURE CABLE

RATINGS / APPROVALS

250°C – 600 Volts

Passes NEMA WC 3 Flame Propagation Test

Passes IEEE-383 (modified) 210,000 BTU/hr Vertical Cable Tray Flame Test

Passes ICEA T-27-581 Water Absorption Test

CONSTRUCTION

Conductors

22 AWG – 2 AWG

Flexible stranded nickel plated copper-2%

Insulating System

Fused PTFE fluoropolymer tape with glass serve and 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

PTFE Fluoropolymer tape.

Outer Covering

Braided aramid K-fiber with high temperature finish.

Standard Color

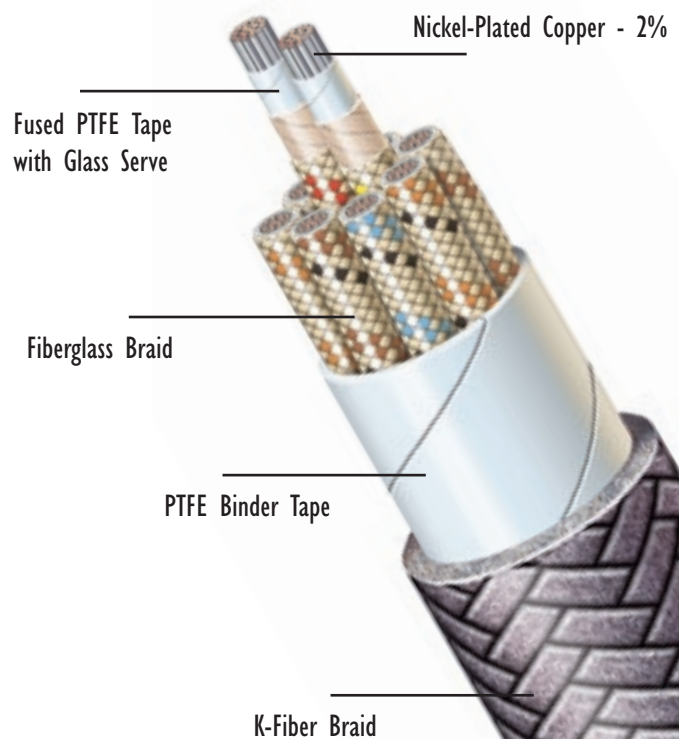
Black (Colors available)

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 tape provides additional moisture resistance.
- Aramid fiber jacket provides superior cut through and abrasion resistance.
- Not recommended for outdoor use.

APPLICATION

For use in areas that are alternately exposed to high temperature then to moisture and cooling or abusive areas where resistance to cut through and abrasion is important. These cables retain their flexibility for long periods, even after exposure to continuous high temperature.



Radix Wire Company

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SPECIFICATIONS

TEMPERFLEX 250 HIGH-TEMPERATURE CABLE

TEMPERFLEX 250 250C/600V

Part No.	Awg. Size	# Strands	# Leads	Outer Dia. inches	Outer Dia. mm	Wgt - lbs per 1000 ft.	Wgt - kg per km
AVI8GP02G	18	19	2	0.267	6.78	40.61	60.44
AVI8GP03G	18	19	3	0.285	7.24	53.65	79.84
AVI8GP04G	18	19	4	0.308	7.82	64.19	95.53
AVI8GP05G	18	19	5	0.336	8.53	79.74	118.67
AVI8GP06G	18	19	6	0.365	9.27	92.96	138.35
AVI6GP02G	16	26	2	0.293	7.44	52.51	78.15
AVI6GP03G	16	26	3	0.309	7.85	67.93	101.10
AVI6GP04G	16	26	4	0.335	8.51	82.90	123.37
AVI6GP05G	16	26	5	0.367	9.32	102.92	153.17
AVI6GP06G	16	26	6	0.399	10.13	120.61	179.50
AVI6GPI2G	16	26	12	0.512	13.09	218	324
AVI6GPI9G	16	26	19	0.647	16.43	350	520
AVI4GP02G	14	41	2	0.320	8.13	66.48	98.94
AVI4GP03G	14	41	3	0.338	8.59	88.13	131.16
AVI4GP04G	14	41	4	0.368	9.35	109.42	162.84
AVI4GP05G	14	41	5	0.404	10.26	135.81	202.12
AVI4GP06G	14	41	6	0.457	11.61	165.06	245.65
AVI2GP02G	12	65	2	0.355	9.02	89.63	133.39
AVI2GP03G	12	65	3	0.376	9.55	120.11	178.75
AVI2GP04G	12	65	4	0.411	10.44	151.53	225.51
AVI2GP05G	12	65	5	0.472	11.99	194.42	289.34
AVI2GP06G	12	65	6	0.517	13.13	230.72	343.37
AVI0GP02G	10	105	2	0.402	10.21	122.42	182.19
AVI0GP03G	10	105	3	0.436	11.07	171.96	255.92
AVI0GP04G	10	105	4	0.488	12.40	221.56	329.73
AVI0GP05G	10	105	5	0.547	13.89	278.19	414.01
AVI0GP06G	10	105	6	0.599	15.21	330.20	491.42

Standard conductor: Nickel Plated Copper-2%

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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