

RATINGS / APPROVALS

250°C – 600 Volts

Passes the IEEE-383 Vertical Cable Tray Flame Test

Passes UL VW-1 Flame Test

RoHS Compliant

CONSTRUCTION

Conductors

22 AWG – 2 AWG

Nickel plated copper-2%

Insulating System

Extruded Perfluoroalkoxy (PFA) fluoropolymer insulation with fiberglass braid cover over each insulated conductor. Braid is treated with a moisture and high temperature resistant finish for K-4 color coding. (Unless specified)

Overall Binder Tapes

PTFE Fluoropolymer tape.

Outer Covering

Braided aramid K-fiber with a moisture, heat and flame resistant finish.

Standard Color

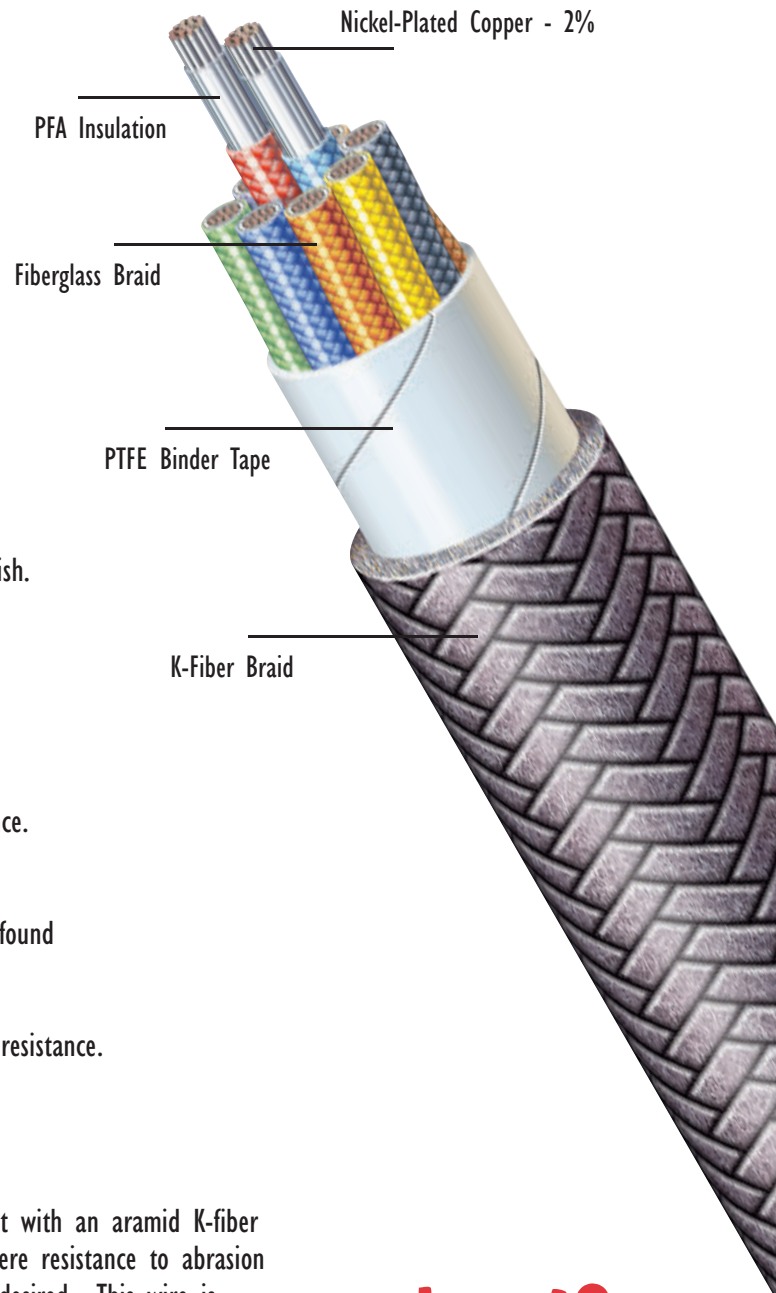
Black (Colors available)

CHARACTERISTICS

- PFA leads have outstanding chemical, fluid, age and ozone resistance.
- 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 K-fiber jacket provides superior cut through and abrasion resistance.
- Not recommended for outdoor use.

APPLICATION

Multiple conductor cables insulated with PFA fluoropolymer and jacket with an aramid K-fiber braid are widely used in industrial high temperature applications where resistance to abrasion and mechanical abuse coupled with moisture or fluid resistance are desired. This wire is widely used in steel and glass plants, as well as high temperature locations near boilers, steam lines and in chemical processing plants.



Radix Wire

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SPECIFICATIONS

FLUIDGARD 250 HIGH-TEMPERATURE CABLE

FLUIDGARD 250C/600V

Part No.	Awg. Size	# Strands	# Leads	Outer Dia. inches	Outer Dia. mm	Wgt - lbs per 1000 ft.	Wgt - kg per km
GFI8GP02G	18	16	2	0.243	6.17	33.48	49.83
GFI8GP03G	18	16	3	0.259	6.58	44.86	66.76
GFI8GP04G	18	16	4	0.285	7.24	54.59	81.24
GFI8GP05G	18	16	5	0.311	7.90	68.47	101.90
GFI8GP06G	18	16	6	0.338	8.59	80.02	119.09
GFI6GP02G	16	26	2	0.271	6.88	45.09	67.10
GFI6GP03G	16	26	3	0.290	7.37	60.10	89.44
GFI6GP04G	16	26	4	0.315	8.00	73.63	109.58
GFI6GP05G	16	26	5	0.346	8.79	92.10	137.07
GFI6GP06G	16	26	6	0.377	9.58	108.26	161.12
GFI4GP02G	14	41	2	0.303	7.70	59.29	88.24
GFI4GP03G	14	41	3	0.320	8.13	79.62	118.49
GFI4GP04G	14	41	4	0.349	8.86	99.35	147.86
GFI4GP05G	14	41	5	0.384	9.75	124.08	184.66
GFI4GP06G	14	41	6	0.419	10.64	146.47	217.98
GFI2GP02G	12	65	2	0.340	8.64	82.12	122.21
GFI2GP03G	12	65	3	0.360	9.14	111.35	165.72
GFI2GP04G	12	65	4	0.394	10.01	141.26	210.23
GFI2GP05G	12	65	5	0.450	11.43	180.88	269.19
GFI2GP06G	12	65	6	0.499	12.67	216.42	322.08
GFI0GP02G	10	105	2	0.415	10.54	116.45	173.31
GFI0GP03G	10	105	3	0.458	11.63	171.16	254.73
GFI0GP04G	10	105	4	0.509	12.93	220.03	327.46
GFI0GP05G	10	105	5	0.573	14.55	277.38	412.81
GFI0GP06G	10	105	6	0.624	15.85	327.93	488.04

Standard conductor: Nickel Plated Copper-2%
Consult factory for alternate 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 is not responsible for any claim traceable to such error.



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