

250C/600V

# FLUIDGARD 250

## HIGH-TEMPERATURE CABLE

### RATINGS / APPROVALS

#### 250°C - 600 Volts

Passes the IEEE-383 Vertical Cable Tray Flame Test

Passes UL VW-I 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:

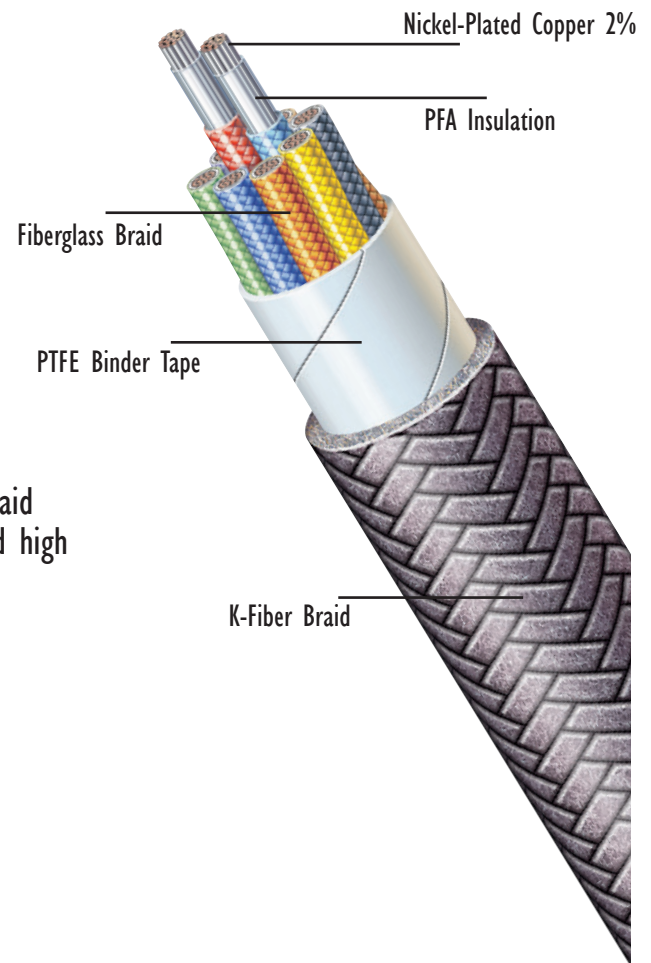
Black (Colors Available)

### 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.



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# SPECIFICATIONS

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## FLUIDGARD 250C/600V

Part Number	AWG Size	# Strands.	# Leads	Outer Dia. inches	Outer Dia. mm	Wgt - lbs per 1000 ft	Wgt - kg per km
GF18GP02G	18	16	2	0.243	6.17	33.48	49.83
GF18GP03G	18	16	3	0.259	6.58	44.86	66.76
GF18GP04G	18	16	4	0.285	7.24	54.59	81.24
GF18GP05G	18	16	5	0.311	7.90	68.47	101.90
GF18GP06G	18	16	6	0.338	8.59	80.02	119.09
GF16GP02G	16	26	2	0.271	6.88	45.09	67.10
GF16GP03G	16	26	3	0.290	7.37	60.10	89.44
GF16GP04G	16	26	4	0.315	8.00	73.63	109.58
GF16GP05G	16	26	5	0.346	8.79	92.10	137.07
GF16GP06G	16	26	6	0.377	9.58	108.26	161.12
GF14GP02G	14	41	2	0.303	7.70	59.29	88.24
GF14GP03G	14	41	3	0.320	8.13	79.62	118.49
GF14GP04G	14	41	4	0.349	8.86	99.35	147.86
GF14GP05G	14	41	5	0.384	9.75	124.08	184.66
GF14GP06G	14	41	6	0.419	10.64	146.47	217.98
GF12GP02G	12	65	2	0.340	8.64	82.12	122.21
GF12GP03G	12	65	3	0.360	9.14	111.35	165.72
GF12GP04G	12	65	4	0.394	10.01	141.26	210.23
GF12GP05G	12	65	5	0.450	11.43	180.88	269.19
GF12GP06G	12	65	6	0.499	12.67	216.42	322.08
GF10GP02G	10	105	2	0.415	10.54	116.45	173.31
GF10GP03G	10	105	3	0.458	11.63	171.16	254.73
GF10GP04G	10	105	4	0.509	12.93	220.03	327.46
GF10GP05G	10	105	5	0.573	14.55	277.38	412.81
GF10GP06G	10	105	6	0.624	15.85	327.93	488.04

### Standard conductor: Tinned Copper

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

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