

200C/600V

# FLUIDGARD 200 HIGH-TEMPERATURE CABLE

## RATINGS / APPROVALS

200°C – 600 Volts

Passes the IEEE-383 Vertical Cable Tray Flame Test

Passes UL VW-1 Flame Test

## CONSTRUCTION

### Conductors

22 AWG – 2 AWG

Annealed tinned copper

### Insulating System

Extruded fluorinated ethylene propylene (FEP) fluoropolymer insulation with fiberglass braid cover over each insulated conductor. Braid is treated with a moisture and high temperature resistant finish for K-2 color coding. (Unless specified)

### Overall Binder Tapes

Nomex®

### Outer Covering

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

### Standard Color

Black (Colors available)

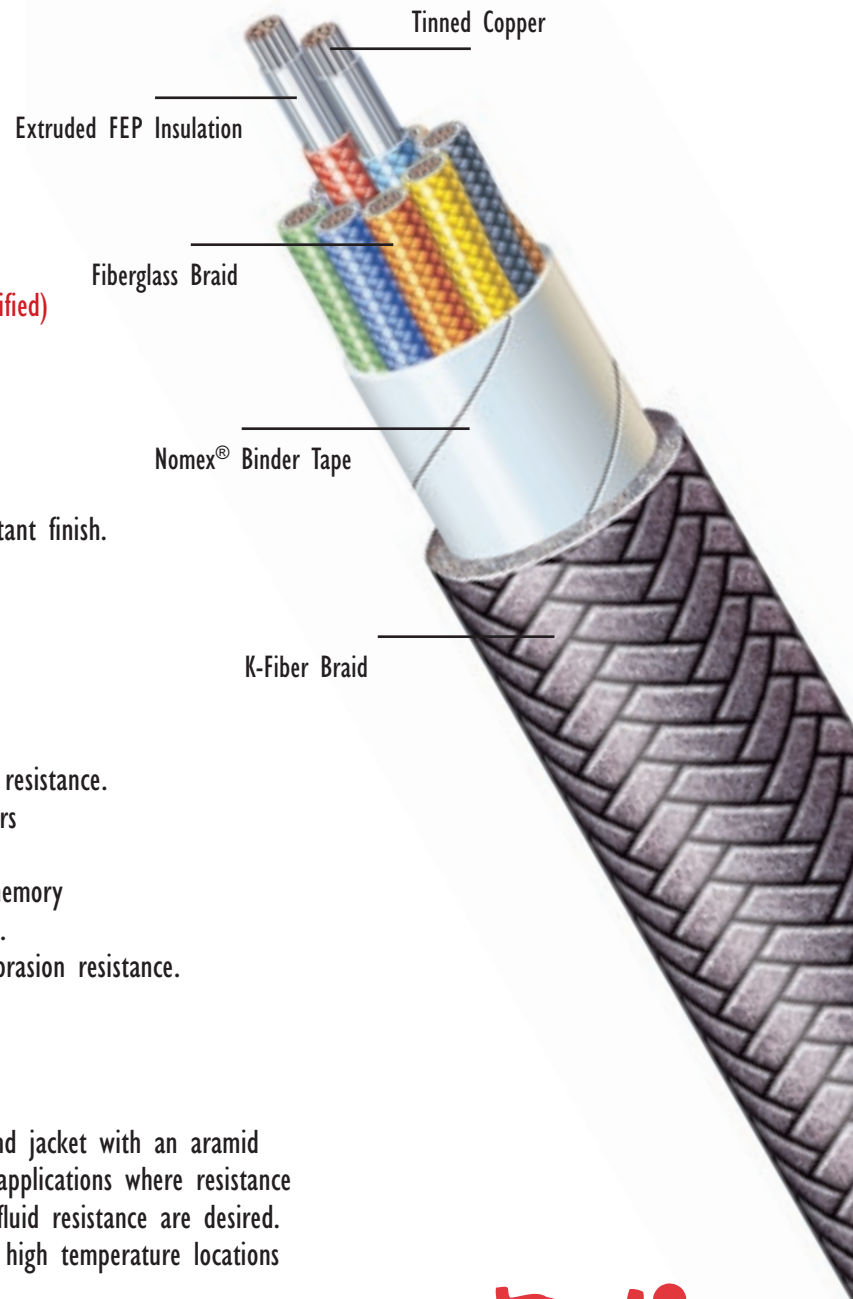
## CHARACTERISTICS

- FEP 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.
- Aramid K-fiber jacket provides superior cut through and abrasion resistance.
- Small diameter.

## APPLICATION

Multiple conductor cables insulated with FEP 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.

Nomex® is a registered trademark of DuPont.



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# SPECIFICATIONS

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## FLUIDGARD 200C/600V

Part No.	Awg. Size	# Strands	# Leads	Outer Dia. inches	Outer Dia. mm	Wgt - lbs per 1000 ft.	Wgt - kg per km
FUI8AT02G	18	7	2	0.234	5.94	30.82	45.87
FUI8AT03G	18	7	3	0.246	6.25	41.60	61.91
FUI8AT04G	18	7	4	0.271	6.88	50.90	75.75
FUI8AT05G	18	7	5	0.302	7.67	65.37	97.29
FUI8AT06G	18	7	6	0.328	8.33	76.71	114.16
FUI6AT02G	16	7	2	0.257	6.53	39.53	58.83
FUI6AT03G	16	7	3	0.272	6.91	54.21	80.68
FUI6AT04G	16	7	4	0.301	7.65	67.75	100.83
FUI6AT05G	16	7	5	0.330	8.38	85.35	127.02
FUI6AT06G	16	7	6	0.360	9.14	100.61	149.73
FUI4AT02G	14	7	2	0.290	7.37	54.66	81.35
FUI4AT03G	14	7	3	0.307	7.80	74.45	110.80
FUI4AT04G	14	7	4	0.336	8.53	93.46	139.09
FUI4AT05G	14	7	5	0.370	9.40	117.36	174.66
FUI4AT06G	14	7	6	0.405	10.29	138.93	206.76
FUI2CT02G	12	19	2	0.324	8.23	75.51	112.38
FUI2CT03G	12	19	3	0.344	8.74	103.51	154.05
FUI2CT04G	12	19	4	0.377	9.58	131.96	196.39
FUI2CT05G	12	19	5	0.417	10.59	165.34	246.07
FUI2CT06G	12	19	6	0.476	12.09	202.68	301.64
FUI0CT02G	10	19	2	0.378	9.60	108.09	160.86
FUI0CT03G	10	19	3	0.401	10.19	152.81	227.42
FUI0CT04G	10	19	4	0.458	11.63	200.92	299.02
FUI0CT05G	10	19	5	0.513	13.03	253.16	376.76
FUI0CT06G	10	19	6	0.573	14.55	305.22	454.24

Standard conductor: Tinned Copper

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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