

450C/600V and 538C/600V

# TEMPERGARD 2000 HIGH-TEMPERATURE LEAD WIRE

## RATINGS / APPROVALS

**450°C – 600 Volts - continuous temperature rating under normal service conditions**

**538°C – 600 Volts - temporary temperature rating for short periods**

Maintains circuit integrity 2.5 hrs under ICEA T-29-520, 210,000 BTU/hr Vertical Cable Tray Flame Test

**RoHS Compliant**

## CONSTRUCTION

### Conductors

18 AWG – 2 AWG

Stranded nickel-coated copper-27%  
(Other conductor materials available)

### Insulating System

Reinforced mica glass tape

Fiberglass braid with high temperature finish

Fire barrier tape wraps

PTFE moisture and fluid barrier

### Outer Covering

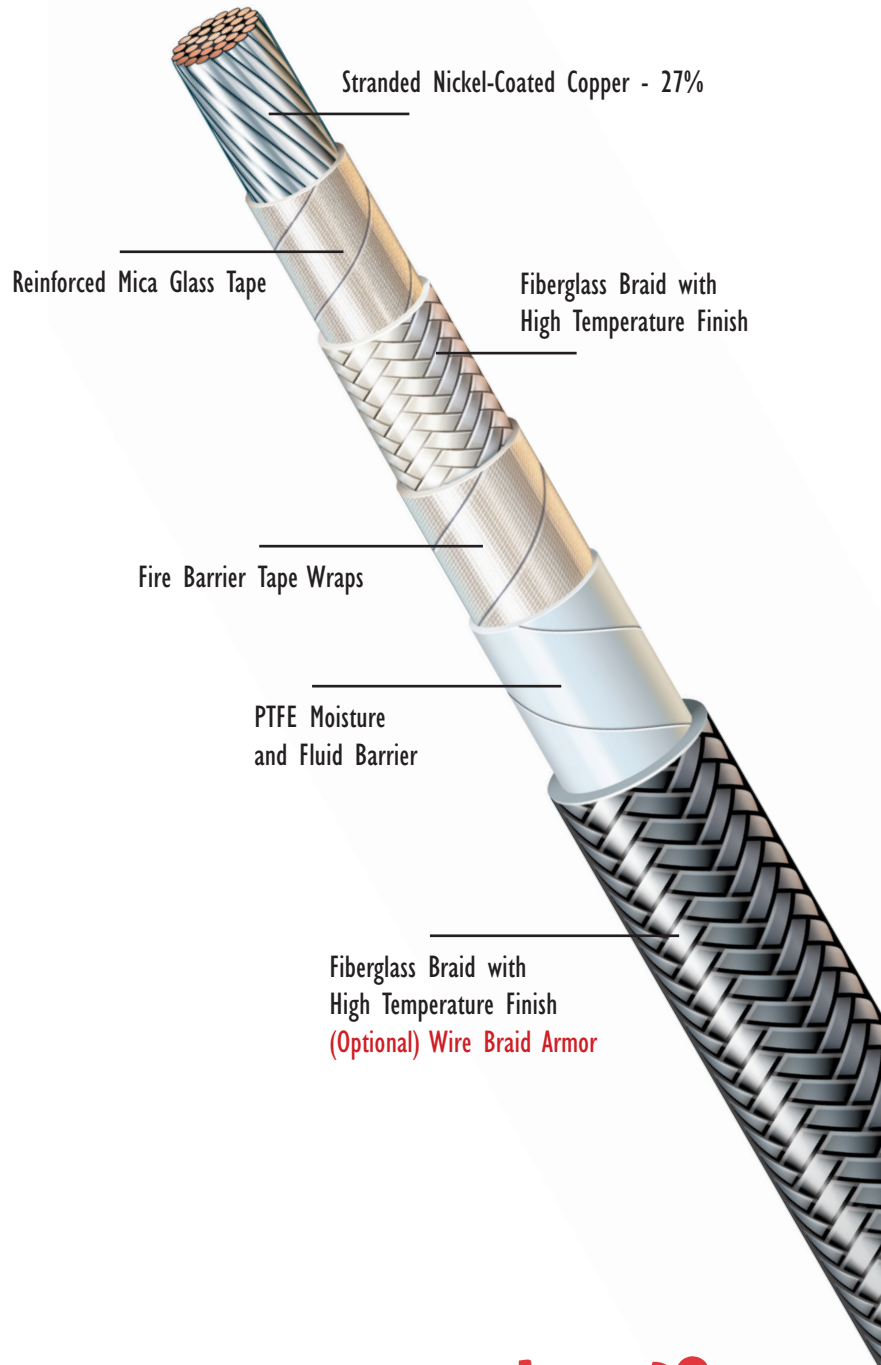
Braided fiberglass with a high temperature finish

### Standard Color Coding

Black or Natural

## CHARACTERISTICS

- Moisture, oil, fluid, and abrasion resistant
- Composed of flame-impervious inorganic materials
- Withstands mechanical abuse
- Not recommended for outdoor use



**Radix™**

# SPECIFICATIONS

# TEMPERGARD 2000 HIGH-TEMPERATURE LEAD WIRE

## TEMPERGARD 2000 450C(538C)/600V

Part No.	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt - lbs per 1000 ft	Wgt - kg per km	UL	CSA
BKT18C016	18	16	0.167	4.11	18.61	27.69	n/a	n/a
BKT16C026	16	26	0.179	4.45	23.43	34.86	n/a	n/a
BKT14C041	14	41	0.189	5.03	31.43	46.77	n/a	n/a
BKT12C065	12	65	0.213	5.28	40.14	59.73	n/a	n/a
BKT10C105	10	105	0.266	6.78	66.91	99.57	n/a	n/a
BKT08C133	8	133	0.316	8.08	95.19	141.66	n/a	n/a
BKT06C133	6	133	0.357	9.22	133.62	198.85	n/a	n/a
BKT04C133	4	133	0.408	10.36	183.51	273.06	n/a	n/a
BKT02C133	2	133	0.482	12.24	279.70	416.26	n/a	n/a

Standard conductor: Nickel Coated Copper - 27%

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.



**Radix Wire**  
26000 Lakeland Boulevard • Cleveland, OH 44132  
Tel: 216 731-9191 • Fax: 216 731-7082  
[www.radix-wire.com](http://www.radix-wire.com)