

200C/600V

# Titan K 200

KEVLAR REINFORCED  
TRANSFER CAR CABLE

## RATINGS / APPROVALS

200°C - 600 Volts  
RoHS Compliant

## CONSTRUCTION

Conductors:  
18 AWG - 2 AWG  
Annealed Tinned Copper

Insulating System:  
Extruded Silicone Rubber  
Available in colors

Binder Tapes:  
PTFE Fluoropolymer Tape with flame and heat-resistant reinforced Mica Tape overall.

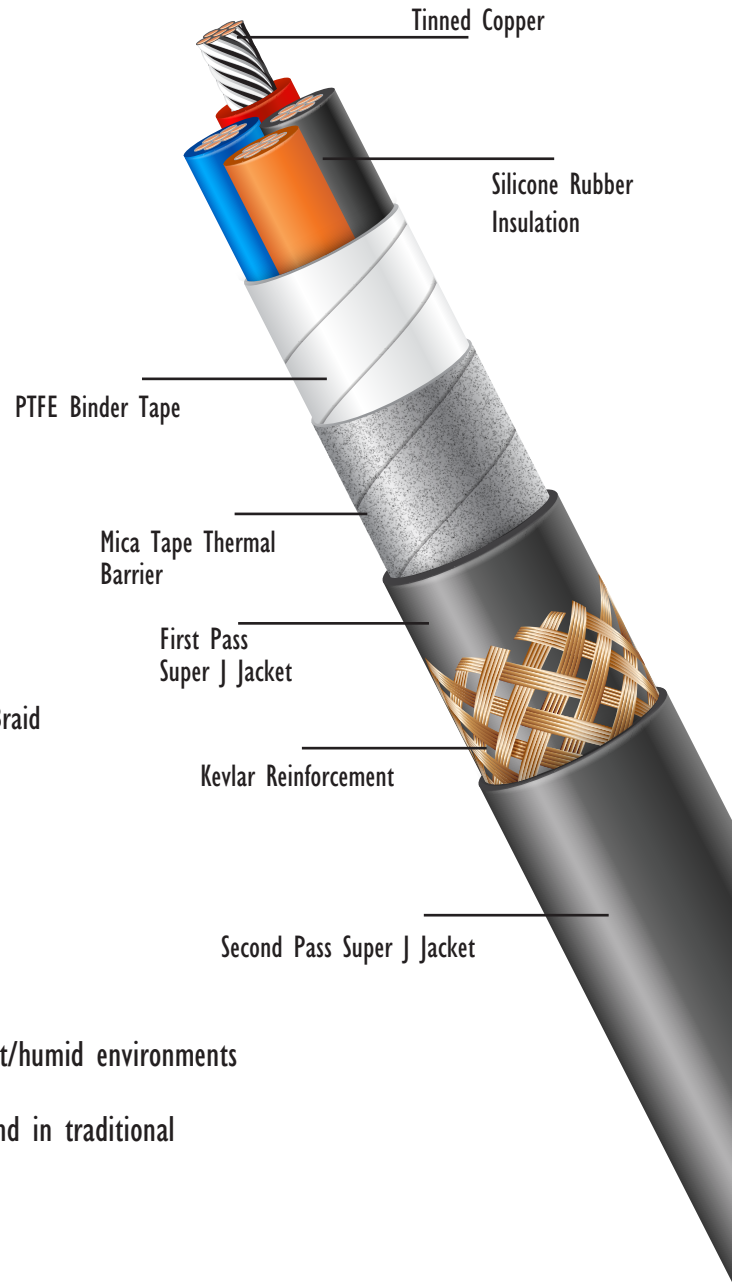
Outer Covering:  
Dual-pass Extruded Super J Silicone Rubber with Inner Reinforcement of Kevlar Braid

## CHARACTERISTICS

- Proprietary Super J jacket provides:
  - Longer cable life through molten steel wicking away surface
  - Superior abrasive and cut-thru resistance
  - Superior flexibility
  - LSZH: Low Smoke, Zero Halogen
- PTFE Fluoropolymer tape provides additional moisture resistance in wet/humid environments
- Silicone formulations suitable for UV, ozone, moisture exposure.
- Cable utilizes Radix "Torque Free" design. This eliminates memory found in traditional right hand or left hand twisted cables.
- Suitable for applications from 200°C continuous to -60°C.
- Not recommended for outdoor use.

## APPLICATION

Titan K is constructed for use in high temperature applications as a multiple conductor control/power cable where resistance to abrasion, moisture, hot material spills, and mechanical abuse are desired. This cable is typically used in steel plants for teeming ladle transfer car applications. Flame and heat-resistant reinforced Mica Tape and Super J jacketing extends cable life over other products.



### COPYRIGHT

This document is protected under copyright law and is the property of Radix Wire and Cable. Data contained herein is confidential to Radix Wire and Cable and this document and/or any part of the data contained herein may not be copied, duplicated or released for manufacturing or sale of equipment outside of Radix Wire and Cable or any affiliates without the prior written authorization of Radix Wire & Cable.

# SPECIFICATIONS

# Titan K 200

## KEVLAR REINFORCED TRANSFER CAR CABLE

### Titan K 200C/600 V

Part No.	Temp Rating	Voltage Rating	Awg. Size	# Strands	# Leads	Final O.D. (in)	Final O.D. (mm)	Wgt. (lbs/Mft)	Wgt. (kg/km)	Min. Bend Radius (in)
TK16GT06	200C	600V	16	7	6	0.633	16.07	190.58	283.63	5.06
TK16GT05	200C	600V	16	7	5	0.596	15.14	169.17	251.76	4.77
TK16GT04	200C	600V	16	7	4	0.561	14.26	159.15	236.86	4.49
TK16GT03	200C	600V	16	7	3	0.530	13.46	145.55	216.62	4.24
TK16GT02	200C	600V	16	7	2	0.511	12.98	122.47	182.26	4.09
TK14GT12	200C	600V	14	7	12	0.813	20.65	366.12	544.88	6.50
TK14GT07	200C	600V	14	7	7	0.674	17.12	245.68	365.63	5.39
TK14GT06	200C	600V	14	7	6	0.674	17.12	228.10	339.47	5.39
TK14GT05	200C	600V	14	7	5	0.633	16.09	201.18	299.40	5.07
TK14GT04	200C	600V	14	7	4	0.595	15.11	185.59	276.21	4.76
TK14GT03	200C	600V	14	7	3	0.560	14.22	166.51	247.81	4.48
TK14GT02	200C	600V	14	7	2	0.539	13.69	138.26	205.76	4.31
TK12GT09	200C	600V	12	19	9	0.936	23.78	469.13	698.18	7.49
TK12GT06	200C	600V	12	19	6	0.823	20.91	347.12	516.60	6.58
TK12GT05	200C	600V	12	19	5	0.768	19.50	302.44	450.10	6.14
TK12GT04	200C	600V	12	19	4	0.715	18.15	269.30	400.79	5.72
TK12GT03	200C	600V	12	19	3	0.667	16.94	250.70	373.11	5.33
TK12GT02	200C	600V	12	19	2	0.638	16.21	200.74	298.75	5.11
TK10GT14	200C	600V	10	19	14	1.168	29.68	879.43	1308.80	9.35
TK10GT05	200C	600V	10	19	5	0.830	21.08	385.48	573.68	6.64
TK10GT04	200C	600V	10	19	4	0.770	19.56	355.30	528.76	6.16
TK10GT03	200C	600V	10	19	3	0.716	18.19	303.11	451.10	5.73
TK10GT02	200C	600V	10	19	2	0.684	17.37	238.46	354.88	5.47
TK08GT12	200C	600V	8	61	12	1.226	31.14	1085.59	1615.62	9.81
TK08GT09	200C	600V	8	61	9	1.127	28.63	851.87	1267.78	9.02
TK08GT08	200C	600V	8	61	8	1.054	26.77	763.80	1136.71	8.43
TK08GT07	200C	600V	8	61	7	0.982	24.93	676.61	1006.96	7.85
TK08GT06	200C	600V	8	61	6	0.982	24.93	608.43	905.49	7.85
TK08GT05	200C	600V	8	61	5	0.911	23.13	521.99	776.85	7.29
TK08GT04	200C	600V	8	61	4	0.842	21.40	466.06	693.61	6.74
TK06GT05	200C	600V	6	84	5	1.192	30.27	820.60	1221.24	9.53
TK06GT04	200C	600V	6	84	4	1.094	27.78	708.78	1054.83	8.75
TK06GT03	200C	600V	6	84	3	1.005	25.52	559.55	832.74	8.04
TK06GT02	200C	600V	6	84	2	0.952	24.18	426.08	634.11	7.62
TK04GT03	200C	600V	4	133	3	1.079	27.41	700.77	1042.92	8.63
TK02GT02	200C	600V	2	259	2	1.153	29.28	714.46	1063.28	9.22

**Standard conductor: Tinned Copper or Nickel Plated Copper (2%) as designated**

All dimensions listed above are nominal. Consult factory for alternate conductor and stranding options

**Check the Website ([www.radix-wire.com](http://www.radix-wire.com)) or contact Sales for additional cable configurations not listed.**



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.

Use or disclosure of data contained on this sheet is subject to the restrictions on the title page.

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