

200C/600V

Titan K 200

FIBER 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.

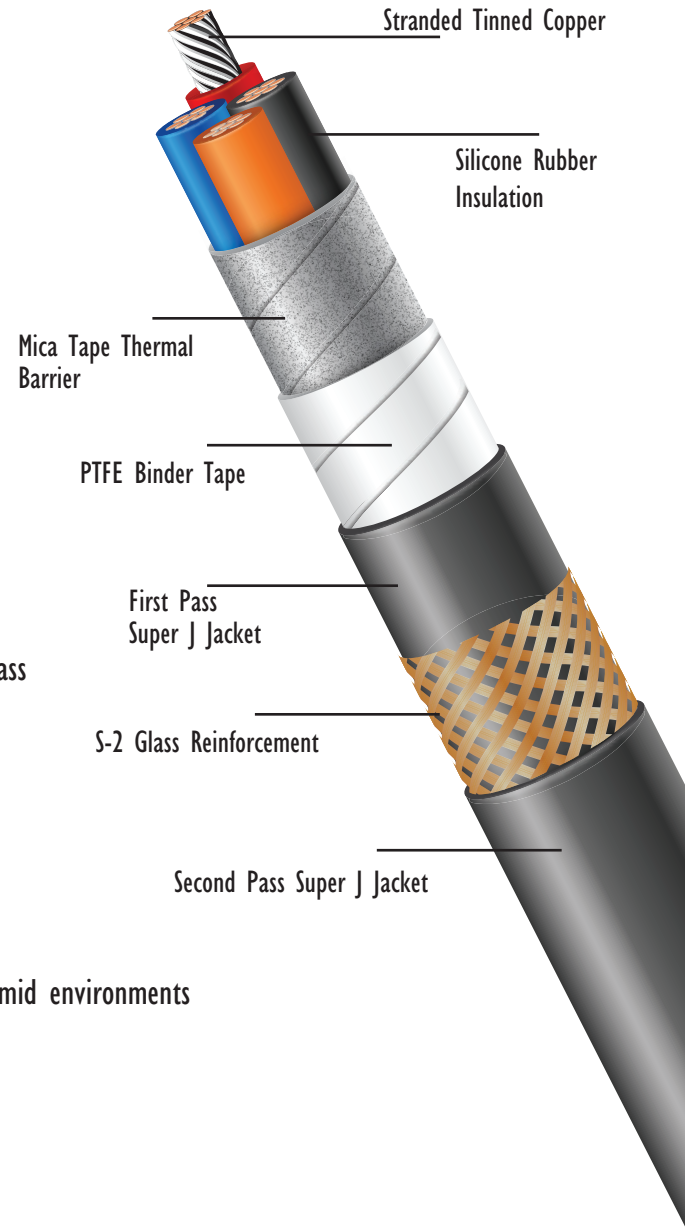
Outer Covering:
Dual-pass Extruded Super J Silicone Rubber with Inner Reinforcement of S-2 Glass

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.
- 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.



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SPECIFICATIONS

Titan K 200

FIBER 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) 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.



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