

200C/600V

# Titan S 200

STAINLESS STEEL REINFORCED  
TRANSFER CAR CABLE

## RATINGS / APPROVALS

200°C - 600 Volts  
RoHS Compliant

## CONSTRUCTION

Conductors:  
22 AWG - 2 AWG  
Annealed Tinned Copper

Insulating System:  
Extruded Silicone Rubber  
Available in colors

Binder Tapes:  
PTFE Fluoropolymer Tape.

Inner Reinforcement:  
Inner reinforcement of Stainless Steel Braid.

Overall Tapes:  
Flame and heat-resistant Mica Tape.

Outer Covering:  
Proprietary Super J Extruded Silicone Rubber

## CHARACTERISTICS

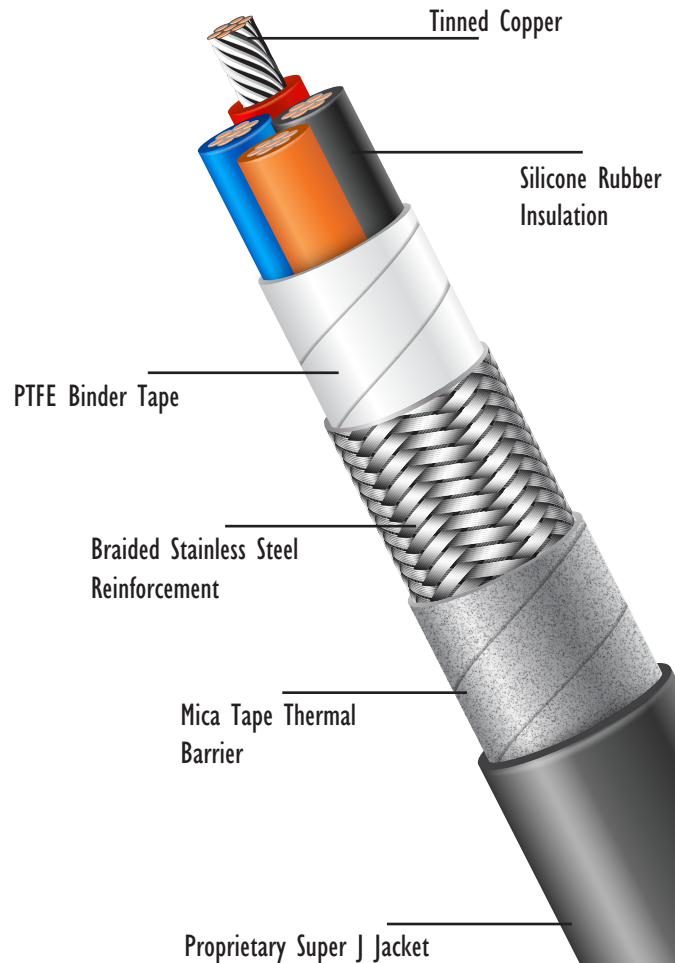
- Proprietary Super J jacket provides:
  - Longer cable life through molten steel wicking away surface
  - Superior abrasive and cut-thru resistance
  - Superior flexibility
  - LSZH: Low Smoke, Zero Halogen
- PTFE Fluoropolymer tape provides additional moisture resistance in wet/humid environments
- 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.

## APPLICATION

Titan S 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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WIRE & CABLE  
EST. 1944

# SPECIFICATIONS

# Titan S 200

## STAINLESS STEEL REINFORCED TRANSFER CAR CABLE

### Titan S 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)
TU18AT10	200C	600V	18	7	10	0.711	18.06	250.81	373.26	5.69
TU18AT09	200C	600V	18	7	9	0.690	17.51	235.46	350.42	5.52
TU18AT08	200C	600V	18	7	8	0.656	16.67	216.93	322.85	5.25
TU18AT07	200C	600V	18	7	7	0.624	15.84	198.57	295.52	4.99
TU18AT06	200C	600V	18	7	6	0.624	15.84	195.14	290.41	4.99
TU18AT05	200C	600V	18	7	5	0.592	15.04	177.11	263.58	4.74
TU18AT04	200C	600V	18	7	4	0.562	14.27	164.53	244.86	4.49
TU18AT03	200C	600V	18	7	3	0.535	13.58	154.42	229.81	4.28
TU18AT02	200C	600V	18	7	2	0.519	13.17	134.93	200.81	4.15
TU16AT10	200C	600V	16	7	10	0.758	19.24	300.55	447.30	6.06
TU16AT09	200C	600V	16	7	9	0.733	18.63	280.73	417.80	5.87
TU16AT08	200C	600V	16	7	8	0.697	17.69	257.46	383.16	5.57
TU16AT07	200C	600V	16	7	7	0.660	16.76	234.28	348.66	5.28
TU16AT06	200C	600V	16	7	6	0.660	16.76	227.23	338.17	5.28
TU16AT05	200C	600V	16	7	5	0.624	15.85	204.11	303.76	4.99
TU16AT04	200C	600V	16	7	4	0.590	14.99	187.16	278.54	4.72
TU16AT03	200C	600V	16	7	3	0.558	14.16	170.83	254.23	4.46
TU16AT02	200C	600V	16	7	2	0.542	13.76	148.45	220.92	4.33
TU14AT10	200C	600V	14	7	10	0.821	20.85	403.10	599.91	6.57
TU14AT09	200C	600V	14	7	9	0.794	20.17	376.43	560.22	6.35
TU14AT08	200C	600V	14	7	8	0.753	19.12	345.04	513.49	6.02
TU14AT07	200C	600V	14	7	7	0.712	18.08	313.96	467.25	5.70
TU14AT06	200C	600V	14	7	6	0.712	18.08	302.26	449.83	5.70
TU14AT05	200C	600V	14	7	5	0.672	17.06	271.20	403.61	5.37
TU14AT04	200C	600V	14	7	4	0.634	16.09	246.43	366.74	5.07
TU14AT03	200C	600V	14	7	3	0.599	15.23	224.66	334.35	4.80
TU14AT02	200C	600V	14	7	2	0.579	14.71	194.90	290.05	4.63
TU12CT10	200C	600V	12	19	10	1.011	25.67	609.54	907.14	8.09
TU12CT09	200C	600V	12	19	9	0.973	24.72	563.63	838.82	7.79
TU12AT08	200C	600V	12	19	8	0.917	23.30	513.57	764.31	7.34
TU12CT07	200C	600V	12	19	7	0.861	21.87	462.77	688.72	6.89
TU12CT06	200C	600V	12	19	6	0.861	21.87	439.40	653.93	6.89
TU12CT05	200C	600V	12	19	5	0.806	20.48	389.19	579.21	6.45
TU12CT04	200C	600V	12	19	4	0.752	19.11	341.10	507.63	6.02
TU12CT03	200C	600V	12	19	3	0.707	17.95	302.26	449.83	5.65
TU12CT02	200C	600V	12	19	2	0.676	17.18	258.03	384.00	5.41
TU10CT10	200C	600V	10	19	10	1.100	27.93	780.98	1162.28	8.80
TU10CT09	200C	600V	10	19	9	1.058	26.88	720.22	1071.86	8.47
TU10CT08	200C	600V	10	19	8	0.994	25.25	651.97	970.29	7.95

**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.

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