



Cost Value Analysis

Titan Transfer Car Cable

CHALLENGE

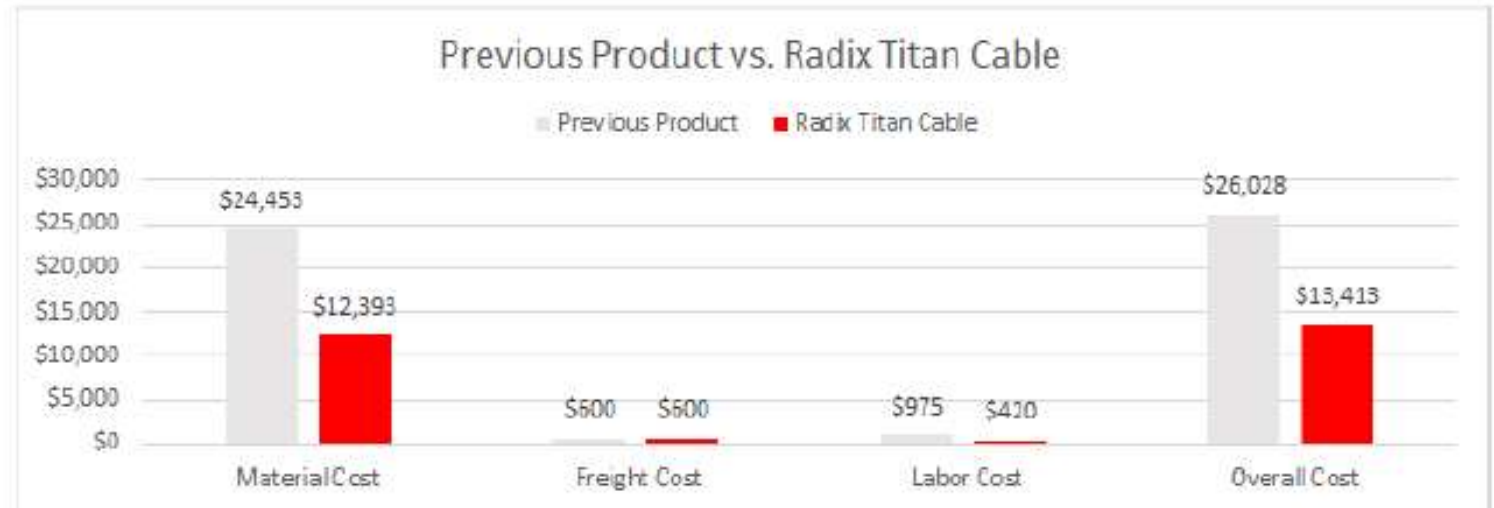
Faced with increasing costs due to failure and downtime, a leading steel producer was in critical need of a quality transfer car cable to withstand high temperatures, falling sparks, slag, and molten steel for an extended period of time.

SOLUTION

Radix Wire and Cable Engineered Solutions developed a high heat resistant product, using our proprietary materials and cable manufacturing expertise.

RESULT

With the new Titan cable installed at the steel facility, the frequency of replacements reduced greatly. This resulted in significant cost and downtime savings.



Application Variables	Previous Product	Radix Product
Material Cost (12 mo.)	\$24,453	\$12,393
Freight Cost (12 mo.)	\$600	\$600
Labor Cost (12 mo.)	\$975	\$420
Total Cost (12 mo.)	\$26,028	\$13,413
Production Downtime	Previous Product	Radix Product
# Used Annually	6.5	2.8
Downtime to Replace Assembly	1.50	1.50
Total Production Downtime	9.75	4.2

Overall Product Cost Savings
= **\$13,413 per reel**

Increased Production Hours = 5.55
*Average Downtime Costs for Large-Scale Plants (\$/hr) = \$18,000
Total Downtime Savings
= **\$99,900**



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TITAN "K"

TITAN KEVLAR REINFORCED TRANSFER CAR CABLE

200C/600V

RATINGS / APPROVALS

200°C - 600 Volts

RoHS Compliant

CONSTRUCTION

Conductors:

18 AWG - 2 AWG

Annealed tinned copper

Insulating System:

Extruded silicone rubber. K-2 color code. (Unless specified)

Binder Tapes:

PTFE Fluoropolymer tape.

Inner Reinforcement:

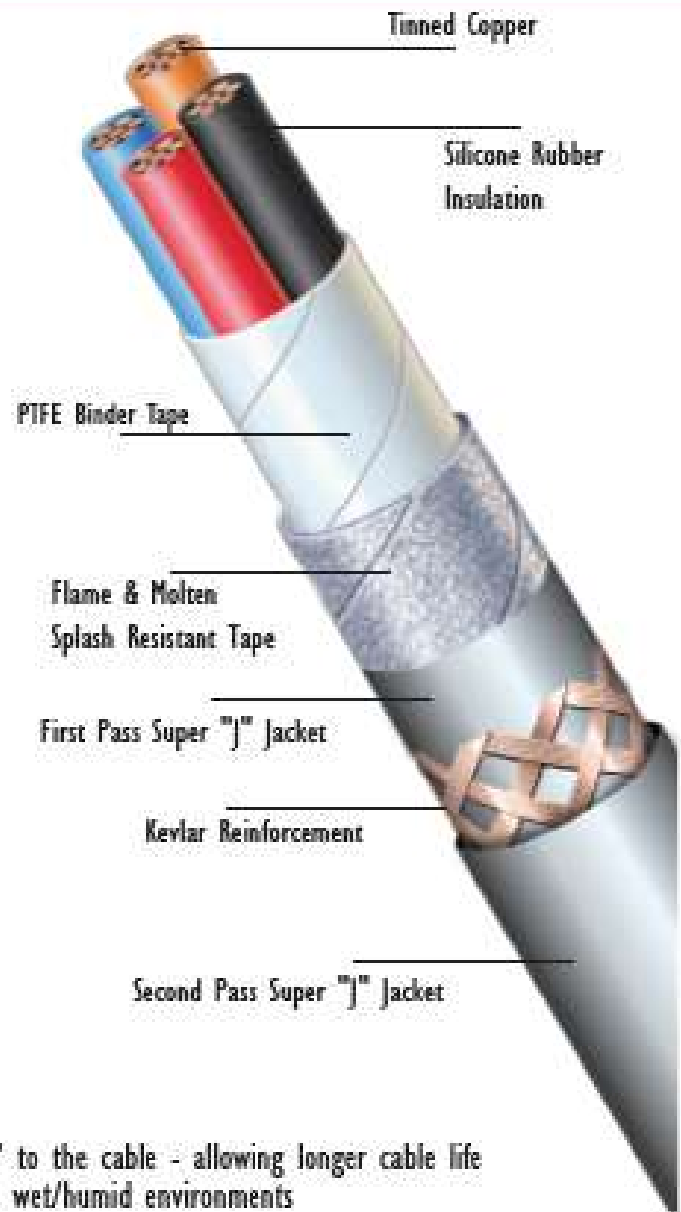
Inner reinforcement of Kevlar braid.

Overall Tapes:

Flame and molten-splash resistant tape.

Outer Covering:

Proprietary Super "J" Jacketing.



CHARACTERISTICS

- Proprietary Super "J" jacket does not allow molten steel to "stick" to the cable - allowing longer cable life
- PTFE Fluoropolymer Tape provides additional moisture resistance in wet/humid environments
- Silicone formulations suitable for UV, ozone, moisture exposure.
- Molten-splash tape provides extended flex life in splash environment.
- Suitable for applications up to 200°C continuous.

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 wire is typically used in steel plants, as teeming ladle transfer car cable.

Flame and molten flash resistant tape & Super "J" jacketing extends cable life.

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200C/600V

TITAN "S"

TITAN STAINLESS STEEL 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. K-2 color code. (Unless specified)

Binder Tapes:

PTFE Fluoropolymer tape.

Inner Reinforcement:

Inner reinforcement of stainless steel braid.

Overall Tapes:

Flame and molten-splash resistant tape.

Outer Covering:

Proprietary Super "J" Jacketing.

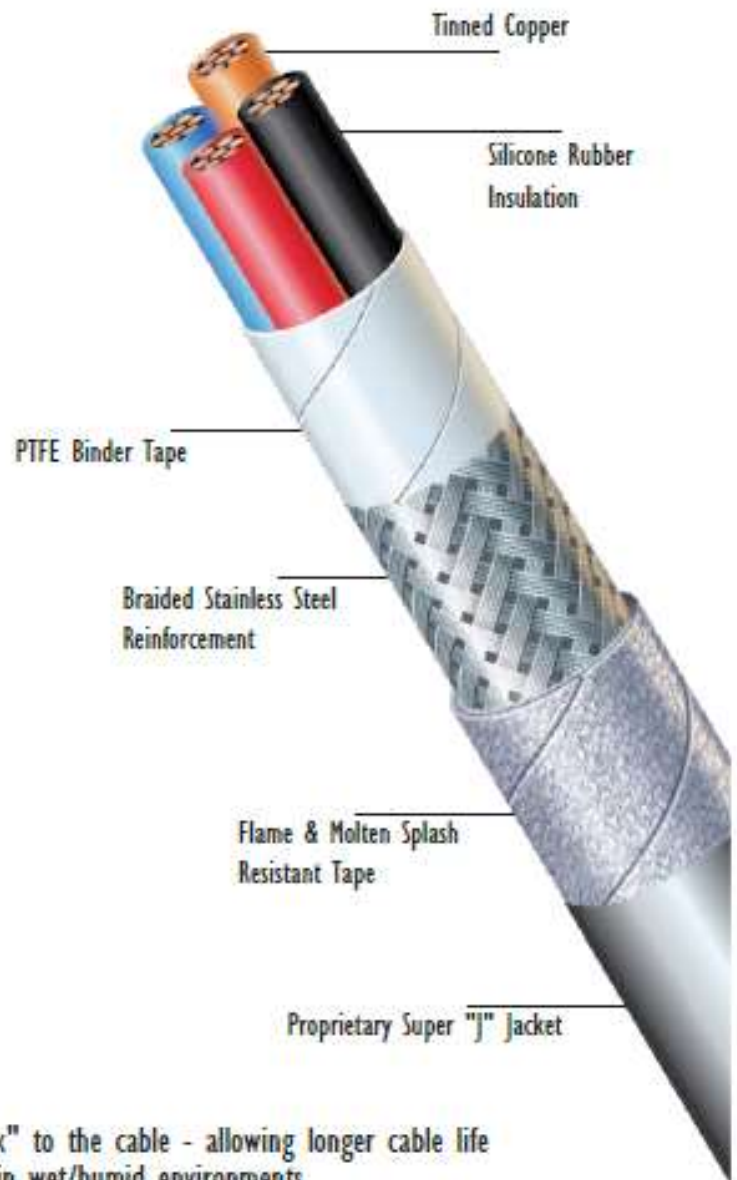
CHARACTERISTICS

- Proprietary Super "J" jacket does not allow molten steel to "stick" to the cable - allowing longer cable life
- PTFE Fluoropolymer Tape provides additional moisture resistance in wet/humid environments
- Silicone formulations suitable for UV, ozone, moisture exposure.
- Molten-splash tape provides extended flex life in splash environment.
- Suitable for applications up to 200°C continuous.

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 wire is typically used in steel plants, as teeming ladle transfer car cable.

Flame and molten flash resistant tape & Super "J" jacketing extends cable life.



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