

RATINGS / APPROVALS

200°C – 600 Volts

Passes NEMA WC 3 Flame Propagation Test
Passes IEEE-383 Vertical Cable Tray Flame Test

RoHS Compliant

CONSTRUCTION

Conductors

22 AWG – 2 AWG
Annealed tinned copper conductors

Insulating System

Extruded silicone rubber with fiberglass braid cover over each insulated conductor. 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

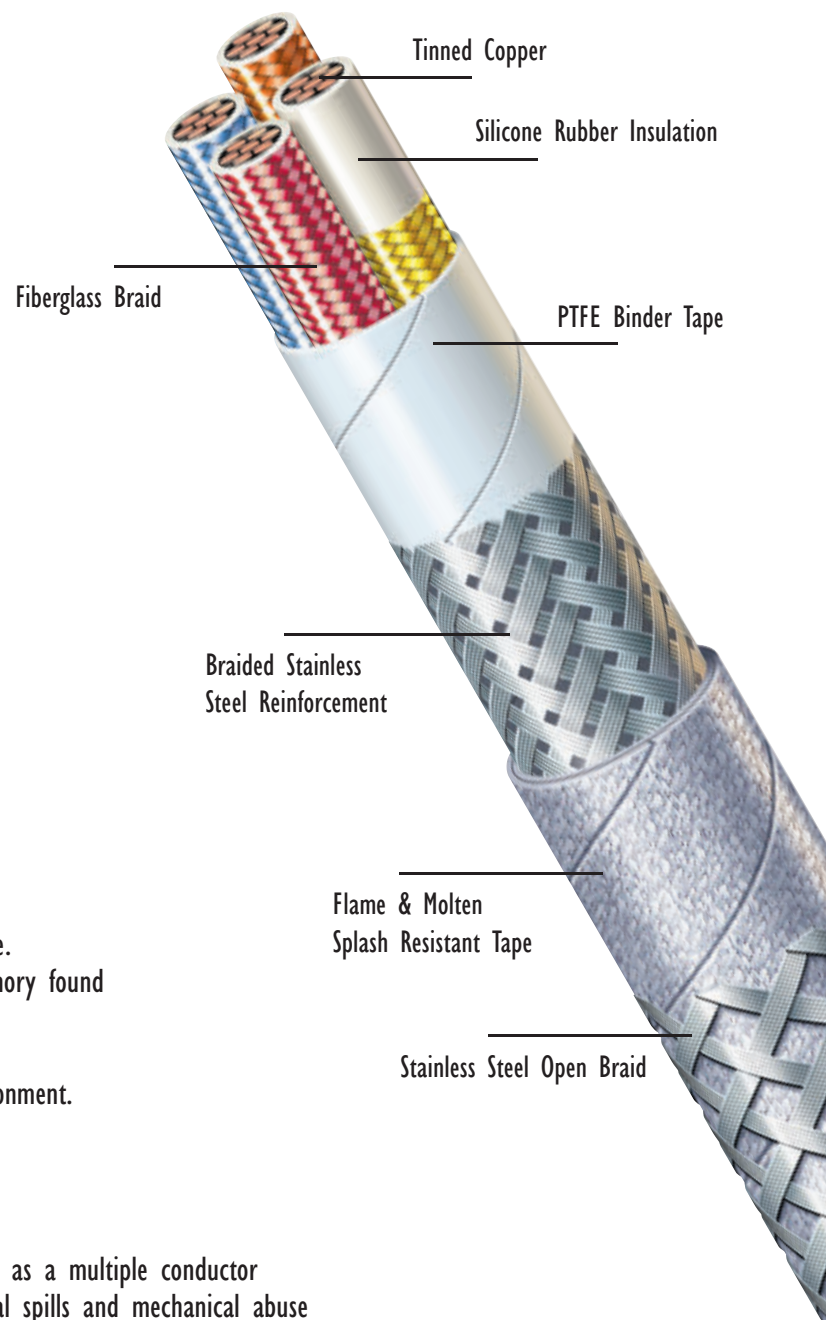
Outer stainless steel open braid reinforcement.

CHARACTERISTICS

- 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 to -60°C.
- Molten-splash tape provides extended flex life in splash environment.
- Not recommended for outdoor use.

APPLICATION

TLC 200 is constructed for use in high temperature applications as a multiple conductor control cable where resistance to abrasion, moisture, hot material spills and mechanical abuse are desired. This wire is used in steel plants, as teeming ladle transfer car cable. Flame and molten flash resistant tape extends cable life.



Radix™

Radix Wire

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TLC 200 200C/600V

Part No.	Awg. Size	# Strands	# Leads	Outer Dia. inches	Outer Dia. mm	Wgt - lbs per 1000 ft.	Wgt - kg per km
KRI4GT03S	14	41	3	0.554	14.07	193.54	288.03
KRI4GT04S	14	41	4	0.598	15.19	226.18	336.61
KRI4GT05S	14	41	5	0.666	16.92	292.85	435.83
KRI4GT06S	14	41	6	0.719	18.26	326.88	486.47
KRI2GT02S	12	65	2	0.562	14.27	186.44	277.47
KRI2GT03S	12	65	3	0.591	15.01	232.07	345.38
KRI2GT04S	12	65	4	0.640	16.26	274.50	408.52
KRI2GT05S	12	65	5	0.712	18.08	349.96	520.82
KRI2GT06S	12	65	6	0.771	19.58	411.84	612.92
KRI0GT02S	10	105	2	0.608	15.44	229.85	342.07
KRI0GT03S	10	105	3	0.641	16.28	288.16	428.85
KRI0GT04S	10	105	4	0.709	18.01	370.35	551.17
KRI0GT05S	10	105	5	0.774	19.66	453.28	674.59
KRI0GT06S	10	105	6	0.839	21.31	523.36	778.88
KR08ET02S	8	133	2	0.820	20.83	396.56	590.18
KR08ET03S	8	133	3	0.867	22.02	497.84	740.90
KR08ET04S	8	133	4	0.946	24.03	610.28	908.24
KR08ET05S	8	133	5	1.041	26.44	740.69	1,102.32
KR08ET06S	8	133	6	1.136	28.85	865.83	1,288.56
KR06ET02S	6	133	2	0.914	23.22	493.70	734.74
KR06ET03S	6	133	3	0.968	24.59	655.55	975.61
KR06ET04S	6	133	4	1.059	26.90	806.21	1,199.83
KR06ET05S	6	133	5	1.168	29.67	980.65	1,459.44
KR06ET06S	6	133	6	1.277	32.44	1,136.60	1,691.53
KR04ET02S	4	133	2	1.023	25.98	657.03	977.82
KR04ET03S	4	133	3	1.085	27.56	863.09	1,284.48
KR04ET04S	4	133	4	1.190	30.23	1,087.72	1,618.78
KR04ET05S	4	133	5	1.315	33.40	1,315.46	1,957.72
KR04ET06S	4	133	6	1.440	36.58	1,552.63	2,310.68

Standard conductor: Tinned Copper

Optional Lead Construction: Composite extruded silicone rubber with intermediate fiberglass reinforcement (Sil-A-Blend®)

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.



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