

TIGER-FLEX HOIST POWER CABLE



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2000 Volts • 90°C • UL Listed as Type W

CONDUCTORS (4)

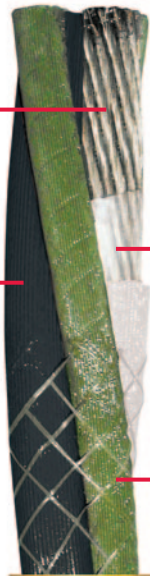
Specially designed and manufactured for maximum flex life.

INSULATION

Specially formulated flexible thermoset EP per ICEA S-75-381 and UL 44. Serrated and lubricated to insure longer flex life. Phase identified by color code.

JACKET

Oil, chemical and heat-resistant yellow thermoset extra heavy-duty chlorinated polyethylene



SEPARATOR

Non-adhering, easy to strip. Opaque for easy identification.

REINFORCEMENT

Synthetic yarn over assembly

APPLICATIONS

Tiger-Flex Power Cable is designed for use in continuous flexing, twisting, dynamic applications and harsh physical environments where potential flame, abrasion, chemicals, moisture, impact-tearing objects and temperature extremes are present. Applications include: construction personnel hoist power, robotic welding, power tracks, cable tenders, spring and motor driven reels, festoon systems, cable tracks and cranes.

FEATURES

- Special lay length and lubrication to insure longer flex life in dynamic applications. Core-wrapped with high-tensile binder to maintain flexing geometry.
- Conductor color-coded for easy identification
- Conductors serrated and lubricated to insure longer flex life.
- Mold-cured outer jacket – extra-tough for longer service life

RATINGS & APPROVALS

- UL listed Type W
- c(UL) listed Type TC
- c(UL) listed Type W
- Flame Resistance: FT-4, FT-5
- MSHA Approved
- ASTM B-33: Standard Specification for Tinned Soft or Annealed Wire for Electrical Purposes
- UL 44: Thermoset-Insulated Wires and Cables
- ICEA S-75-381/NEMA WC-58: Portable and Power Feeder Cables for Use in Mines and Similar Applications



**DESIGNED FOR LONGER
HOIST SYSTEM SERVICE LIFE!**

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PART NO. 37-	SIZE AWG	NUMBERS OF CONDUCTORS	MINIMUM NUMBER OF WIRES	NOMINAL INSULATION THICKNESS IN.	NOMINAL JACKET THICKNESS IN.	NOMINAL FINISHED DIAMETER	APPROX. WEIGHT LBS. PER 1,000 FT.	AMPACITY 90°C AMBIENT TEMP
430006TF	6	2	133	0.060	0.131	0.931	531	99
431006TF	6	3	133	0.060	0.148	1.020	659	99
432006TF	6	4	133	0.060	0.141	1.114	735	87
430004TF	4	2	259	0.060	0.144	1.028	704	130
431004TF	4	3	259	0.060	0.163	1.170	980	130
432004TF	4	4	259	0.060	0.161	1.270	1168	114
430002TF	2	2	259	0.060	0.180	1.269	1084	174
431002TF	2	3	259	0.060	0.160	1.350	1325	174
432002TF	2	4	259	0.060	0.186	1.480	1688	152
430001TF	1	2	259	0.080	0.178	1.439	1410	202
431001TF	1	3	259	0.080	0.171	1.518	1731	202
432001TF	1	4	259	0.080	0.187	1.681	2180	177
430010TF	1/0	2	266	0.080	0.171	1.527	1628	234
431010TF	1/0	3	266	0.080	0.191	1.650	2070	234
432010TF	1/0	4	266	0.080	0.185	1.790	2549	205
430020TF	2/0	2	342	0.080	0.181	1.649	1962	271
431020TF	2/0	3	342	0.080	0.181	1.754	2465	271
432020TF	2/0	4	342	0.080	0.189	1.931	3099	237
430030TF	3/0	2	418	0.080	0.191	1.769	2310	313
431030TF	3/0	3	418	0.080	0.197	1.894	2940	313
432030TF	3/0	4	418	0.080	0.197	2.074	3677	274
430040TF	4/0	2	532	0.080	0.201	1.927	2810	361
431040TF	4/0	3	532	0.080	0.201	2.044	3555	361
432040TF	4/0	4	532	0.080	0.213	2.265	4517	316

- Ampacity is based on a 90°C conductor temperature and 30°C ambient air, per 2002 NEC, Table 400-5 (b)
- 3/C and 4/C ampacities based on one non-current carrying conductor in the cable.

Nexans AmerCable is an ISO 9001 manufacturer of high-quality jacketed electrical cables for a wide variety of specialized industrial applications.

Since the advent of AC electricity, Nexans AmerCable has been perfecting the art of manufacturing reliable power cables for dynamic flexing and twisting applications where vibration, abrasion and harsh environmental conditions are present.

If the service life of your current hoist power cables is not meeting your expectations, elevate your profits by specifying **Tiger-Flex** Hoist Cables!



TIGER-FLEX CABLE

DESIGNED FOR LONGER HOIST SYSTEM SERVICE LIFE

Nexans AmerCable manufactures high quality jacketed electrical cables for a wide variety of specialized industrial and utility applications.



Nexans AmerCable is an ISO 9001 certified cable manufacturer that combines leading-edge technology, proven manufacturing techniques, and high quality service to deliver the finest industrial and utility cable products available.



Made in America

Nexans AmerCable serves a worldwide customer base from our manufacturing facility in El Dorado, Arkansas. Our professional field engineering and sales force work directly with customers, or in partnership with our network of independent distributors, to identify and fulfill your specific cable requirements



Nexans AmerCable

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