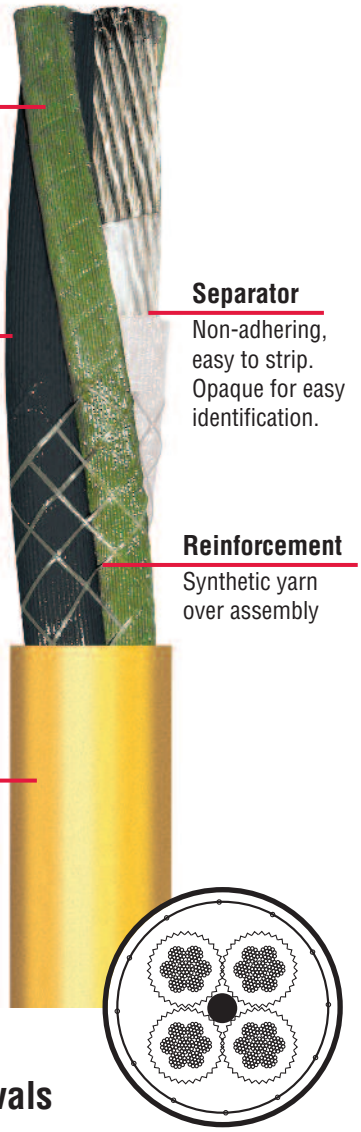
Tiger-Flex Hoist Power Cable
2000 Volts • 90°C

UL Listed as Type W • MSHA Approved



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.

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

Reinforcement
Synthetic yarn over assembly

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

Application

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.

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

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

Manufactured by Nexans AmerCable • (870) 862-4919 • (800) 643-1516 • Fax (870) 862-9613
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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.

Passes General Motors EHS-221 Robotic Application Durability Test (4 AWG, 3 conductor).

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