

TPC WIRE & CABLE

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Providing the Total Wire & Cable Solution to the

CRANE INDUSTRY

Festoon • Reel • Cable Carrier • Crane Service



TPC WIRE & CABLE

A Premier Farnell Company



TPC WIRE & CABLE PROVIDES

- High-performance problem-solving products
- Cost and time-saving products for industrial applications
- Personal sales support
- In-depth inventories
- Hard-to-find cord and cable products
- Knowledgeable customer service
- A safer electrical environment
- Longer lasting products
- Custom engineered products

Electrical cord and cable is a vital link in your facility's electrical system

Electrical equipment requires quality cord and cable that can stand up to today's industrial environments.

Many cord and cable applications are subject to one or more of the following conditions:

- Impact & Vibration
- Crushing & Abrasion
- Pulling & Flexing
- Oil, chemical & water deterioration
- Extreme heat & cold
- Unsafe areas

Too often, maintenance must use ORDINARY cord and cable in these areas because that's all that's available. These products do not hold up because they are not designed for maintenance environments.

As you know . . . the real cost of cord and cable maintenance includes not only the cost of material, but also the labor and downtime that result from unnecessary repair and replacement of damaged or worn-out cord and cable.

Ideal for Abusive Environments

High Flex • Chemical • High Heat

In the mobile electrification world, it is important to address the abusive environments in which the electrical cable will be subject. In most cases, the cable package will fail before the cable carrying apparatus fails. Therefore, choosing a high quality, high performance electrical cable and like accessories are at the forefront to save labor, material, and downtime costs. TPC Wire & Cable's line includes cables designed for high flex, chemical, high heat, and/or abusive environments. With our team of engineers, if the cable does not exist, we will design and produce the cable to match your needs.



Photo courtesy of Conductrix-Wampfler

With over 3000 part numbers in stock and our in-house engineering staff, TPC is a single-source supplier of electrical cable and accessories that can accommodate virtually all industries.

At TPC, research and development is a continuous process. Superior performance is a function of construction, materials, and matching the right cable to the application. In the crane market, TPC has developed many solutions for festoon systems (both round

cable and flat cable), spring cable reels, motorized cable reels, and cat track systems.

TPC's heavy-duty cable is the choice preference for applications that call for heavy abuse for such operations that include: grab cranes, container cranes, bridge cranes, and skid systems. Using our dedicated mechanical assembly shop, we can deliver the complete cable package with connectors – ready to go off the spool. Our thorough knowledge of mobile electrification applications allows our experienced engineers and sales people to help you with custom cables to address your specific needs.



Photo courtesy of A+A Manufacturing (Gortrac)



Photo courtesy of Gleason Reel

Whether it is a cable reel drag, lift, stretch, or retrieve application, TPC has the right cable selection for you to choose that will not only survive the environment, but also prevent "cork screwing".

TPC provides custom engineered products designed with application and environment information from the customer. These products are built specifically for an individual customer and represent a real problem-solving service.

The cable, connectors, and accessories presented in our catalog have been specifically designed for use in applications where performance and reliability are of the utmost importance. These products are used in steel mills, bulk material handling facilities, coke plants, and a large variety of other crane applications.

FLAT FESTOON CABLE

BEST FOR: Cranes & Hoists • Track & Festooning Systems • Robots – Conveyors • Telescoping Jetways

- 600 Volt
- Oil and Sunlight Resistant
- 105°C Rated

TPC’s Flat Festoon Cable has been specifically designed for use in festoon systems for power and control on cranes and hoists. Cables can also be used where space is at a premium or where extreme flexing is a requirement, recommended bend radius of three to five times cable thickness. TPC’s Flat Festoon Cables are suitable for either indoor or outdoor applications operating at -40° C to 105° C.



- Designed for continuous flexing applications
- Oil and chemical resistant
- Indoor and outdoor rated
- Color coded per ICEA method 1
- Yellow jacketed

ORDERING INFORMATION

PART NO.	SIZE AWG/COND.	BUNCH STRANDING	VOLTS	CABLE DIM. THICKNESS x WIDTH(IN.)	WT. (LBS.) PER 1000'
61918	16/8c	65/34	600	.20 x 1.110	192
61912	16/12c	65/34	600	.20 x 1.605	286
61944	14/4c	41/30	600	.217 x .730	142
61948	14/8c	41/30	600	.217 x 1.22	252
61942	14/12c	41/30	600	.217 x 1.81	375
61924	12/4c	65/30	600	.236 x .71	174
61928	12/8c	65/30	600	.236 x 1.650	383
61904	10/4c	105/30	600	.276 x .820	254
61984	8/4c	168/30	600	.36 x 1.15	438
61964	6/4c	266/30	600	.43 x 1.45	679
61994	4/4c	420/30	600	.49 x 1.67	959
61954	2/4c	665/30	600	.56 x 1.97	1416

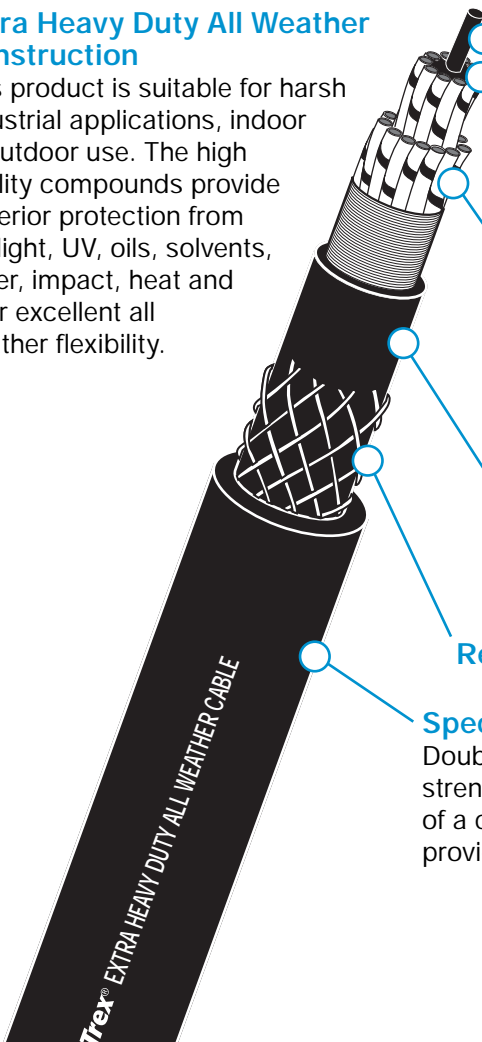
EXTRA HEAVY DUTY ALL WEATHER REELING CABLE

BEST FOR: Spreader Reels • Spring Reels • Motor Reels • Transfer Vehicles Applications

- Extra Heavy Duty
- Kevlar Reinforced
- -40° to 90°C Dry
- 600 Volt
- Designed for Harsh Industrial Applications
- All Weather Usage

Extra Heavy Duty All Weather Construction

This product is suitable for harsh industrial applications, indoor or outdoor use. The high quality compounds provide superior protection from sunlight, UV, oils, solvents, water, impact, heat and offer excellent all weather flexibility.



Central Strength Member

Rubber insulated Kevlar strength member provided additional overall strength to the cable, reduces stress on conductors.

Flexible Tinned Copper Conductors

Provide longer flex life in reeling applications, tinned copper conductors resist corrosion and are easy to solder.

Flexible Heat and Moisture Resistant Insulation

Provides protection to the individual conductors while allowing them to remain flexible, provides long flex life in heavy duty reeling applications.

Integral Fill Design

Inner jacket compound fills interstices of cable and locks conductors into place preventing corkscrewing and premature cable failure.

Reinforced with Kevlar Braid

Specially Compounded Super-Trex® TSE™ Jacket

Double pass Kevlar® reinforced jacket provides superior tensile strength in the most demanding reeling applications. The combination of a center Kevlar strength member with the reinforced Kevlar jacket provides 6,000 pounds of break strength.

Color Code

BLACK conductor insulation with white alpha-numeric print and one **GREEN** ground

ORDERING INFORMATION

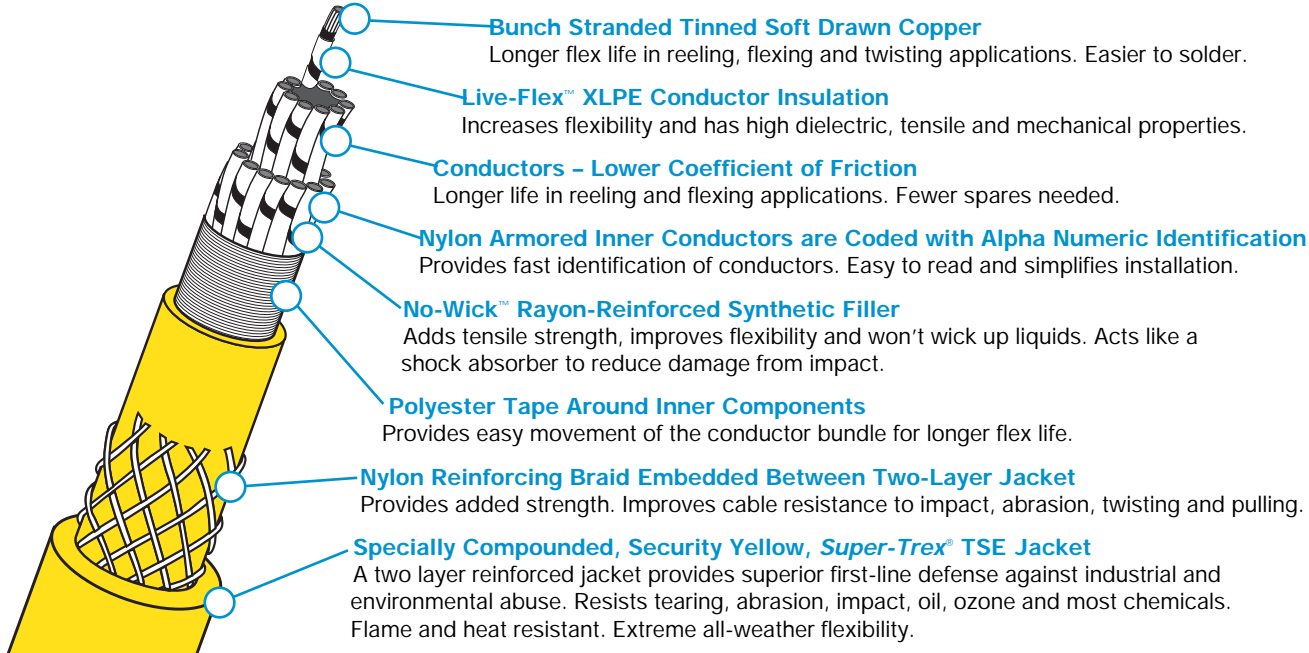
PART NO.	CABLE SIZE AWG/COND.	CONDUCTOR STRANDING	AMPACITY (1)	JACKET THICKNESS (IN.)	INSULATION THICKNESS (IN.)	NOMINAL O.D. (IN.)	WT. (LBS.) PER 1000'
88847	14/24	19 x 27	11	.120	.030	1.135	836
88857	12/24	19 x 25	13	.120	.030	1.278	1296
88867	10/24	37 x 26	18	.120	.030	1.352	1503
88842	14/12	19 x 27	12	.120	.033	0.930	704
88852	12/12	19 x 25	15	.120	.033	0.982	939
88862	10/12	37 x 26	20	.120	.033	1.114	704
88879	12/30	19 x 25	13	.26	.03	1.75	2175
88859	2.5mm ² x 44	50 x 30	9	.12	.03	1.55	1849

(1) Ampacity is based on NEC Table 310.16 and derated 50% for 12 conductors (further derating will be required for multiple layers on reel)

MULTI-CONDUCTOR P&R CABLE

BEST FOR: Remote Control of Electrical Equipment • Cable Reels • Transfer Vehicles • Broach Machines

- | | | | | |
|---|-----------------|---|------------|------------------|
|   | • UL Type TC | • 16 AWG MSHA Approved | • 600 Volt | • FT-1 |
| | • CSA Certified | • Payout & Retractable (P&R) Construction | • 90°C Dry | • RoHS Compliant |
| | • UV Resistant | | • 75°C Wet | • WTTC |



ORDERING INFORMATION

PART NO.	CABLE SIZE AWG/COND.	CONDUCTOR STRANDING	AMPACITY	JACKET THICKNESS (IN.)	NOM. O.D. (IN.)	CABLE WT. (LBS.) per 1000'
COLOR CODED CONDUCTORS						
88820	16/6	65/34	14.4	.115	.555	168
88822	16/8	65/34	12.6	.115	.615	206
88823	16/10	65/34	9	.115	.690	255
88824	16/12	65/34	9	.135	.705	290
88825	16/16	65/34	9	.135	.750	353
88826	16/20	65/34	9	.135	.820	412
88827	16/24	65/34	8.1	.135	.885	484
88828	16/33	65/34	7.2	.155	1.030	657
88829	16/36	65/34	7.2	.155	1.050	693
88830	16/41	65/34	6.3	.155	1.090	734
88831	16/49	65/34	6.3	.155	1.170	849
ALPHA NUMERIC BLACK CONDUCTORS						
88811	14/7	41/30	17.5	.115	.625	240
88812	14/8	41/30	17.5	.115	.660	265
88813	14/10	41/30	12.5	.115	.750	324
88814	14/12	41/30	12.5	.135	.760	379
88815	14/16	41/30	12.5	.135	.820	467
88816	14/20	41/30	12.5	.135	.890	535
88817	14/24	41/30	11.3	.135	.965	630
88800	12/6	65/30	24	.115	.655	291
88802	12/8	65/30	21	.115	.735	358
88804	12/12	65/30	15	.135	.850	515
88806	12/20	65/30	15	.135	1.000	763
88808	12/30	65/30	13.5	.155	1.190	1119
88832	10/6	105/30	32	.115	.760	382
88834	10/8	105/30	28	.115	.860	484
88836	10/12	105/30	20	.135	.990	697

TRIPLE-GARD™ PORTABLE CORD

BEST FOR: Spring Reels • Motor Reels • Pendants • Festoon Systems



- UL Listed
- CSA Certified
- SOO Rated

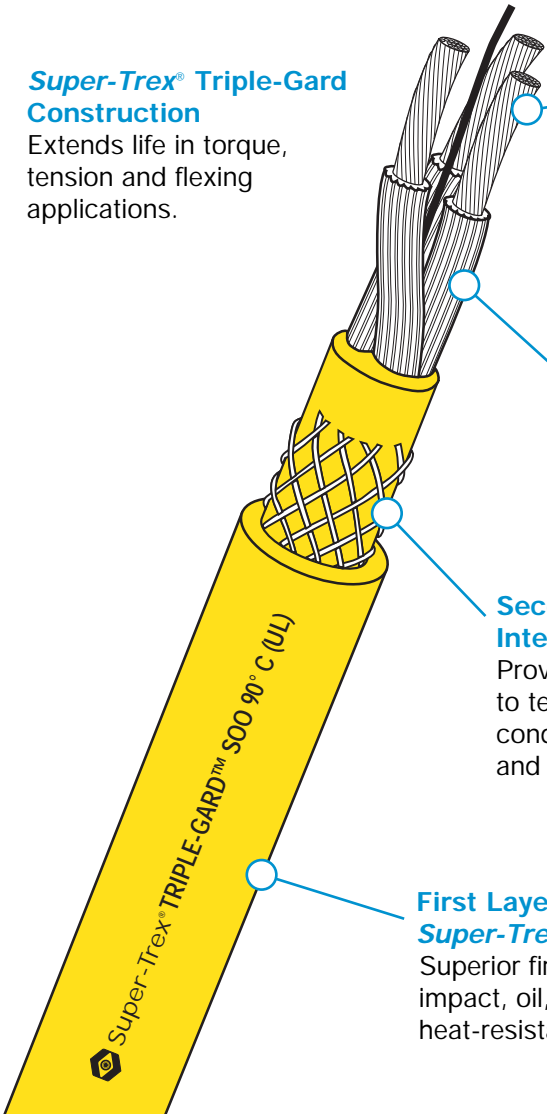
- 90°C to -40°C
- FT-2
- 600 Volt

- UV Resistant
- Extra Hard Usage
- RoHS Compliant

- Triple Layered Construction

Super-Trex® Triple-Gard Construction

Extends life in torque, tension and flexing applications.



Tinned Conductors

Resists corrosion, easier to solder.

2-1/2 Times More Stranding

Improves flexibility. Reduces conductor fatigue and breakage.

Third Layer — Specially Ribbed Oil Resistant Live-Flex™ Conductor Insulation

Resists effects of lubricating oils, coolants, cutting oils, acids, and most chemicals. Superior tensile strength.

Second Layer — Rayon Reinforced Braid and Integral Fill Design

Provides added strength. Improves cable resistance to tearing, abrasion, twisting and pulling. Locks the conductors into the jacket. Helps prevent cork-screwing and premature conductor failure.

First Layer — Specially Compounded, Security Yellow Super-Trex® TSE Jacket

Superior first-line defense against tearing, abrasion, impact, oil, ozone and most chemicals. Flame and heat-resistant. Extreme all-weather flexibility

ORDERING INFORMATION

PART NO.	CORD SIZE AWG/COND.	CONDUCTOR STRANDING	AMPACITY (1)	INSULATION THICKNESS (IN.)	JACKET THICKNESS (IN.)	NOMINAL O.D. (IN.)	WT. (LBS.) PER 1000'
85194	14/3	104 x 34	18	.045	.080	.548	185
85199	14/4	104 x 34	15	.045	.080	.590	245
85195	12/3	165 x 34	25	.045	.095	.623	265
85200	12/4	165 x 34	20	.045	.095	.675	320
85196	10/3	259 x 34	30	.045	.095	.685	335
85201	10/4	259 x 34	25	.045	.095	.745	400

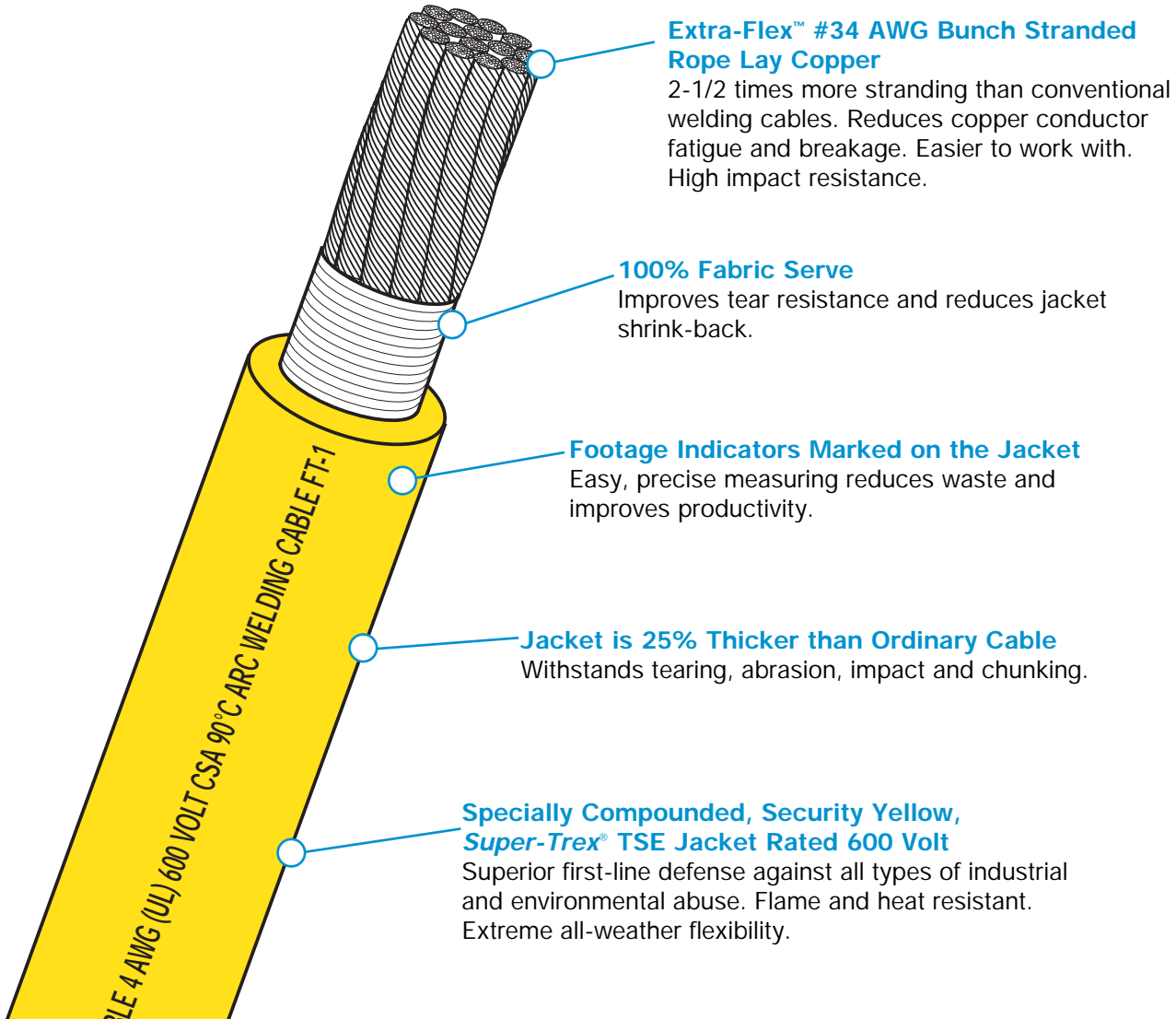
NOTES: (1) Maximum allowable current per conductor when one conductor is utilized as ground or neutral. Ampacities are based on an ambient temperature of 30° C with a conductor temperature of 90° C.

600 VOLT WELDING CABLE

BEST FOR: Electrode Holder and Ground Connections to Arc Welders



- UL Listed
- CSA Certified
- Rated 90°C
- Extra Hard Usage
- UV Resistant
- 600 Volt
- FT-1
- RoHS Compliant



ORDERING INFORMATION

PART NO.	CABLE SIZE (AWG)	CONDUCTOR STRANDING	JACKET THICKNESS (IN.)	NOMINAL O.D. (IN.)	WT. (LBS.) PER 1000'
86310	6	660 x 34	.080	.370	132
86311	4	1045 x 34	.093	.450	202
86312	2	1650 x 34	.103	.540	305
86314	1/0	2640 x 34	.115	.620	416
86315	2/0	3300 x 34	.115	.700	558
86317	4/0	5225 x 34	.158	.900	906

600 VOLT WELDING CABLE

APPLICATIONS AND SPECIFICATIONS

- Bus Welding Boxes or Transformers
- Battery Charger Lead Wires
- Power Supply Applications
- Portable Lighting

SUGGESTED AMPACITIES

FOR 600 VOLT IN-LINE APPLICATIONS		FOR INTERMITTENT WELDING APPLICATIONS	
CABLE SIZE (AWG)	AMPACITY	CABLE SIZE (AWG)	AMPACITY
6	105	6	130
4	140	4	195
2	190	2	260
1/0	260	1/0	300
2/0	300	2/0	450
4/0	405	4/0	600

Ampacities are based on ambient temperatures of 30° C and conductor temperature of 90° C per NEC table 310.17.

These values for current carrying capacity are based on a conductor temperature of 90° C (194° F), an ambient temperature of 30° C (86° F). In actual service, the load factor may be much higher than indicated without overheating the cable as the ambient temperature will generally be substantially lower than 40° C (Based on 100 feet length for total circuit for secondary voltages only with 4 volt drop and 60% duty cycle).

Recommended Minimum Bend Radius for Cable Applications

The Minimum Bend Radius for Dynamic Applications is 8 times the OD of the cable. Minimum Bend Radius for Static Applications is 6 times the OD of the cable.

PART NO.	SIZE AWG/ COND.	NOMINAL OD. (IN.)	MINIMUM BEND RADIUS/DYNAMIC APPLICATIONS (IN.)
86317	4/0	.90	7.20
86315	2/0	.70	5.60
86314	1/0	.66	5.44
86312	#2	.54	4.32
86311	#4	.45	3.60
86310	#6	.37	2.96

Chemical and Solvent Resistance

Super-Trex Cord and Cable is jacketed with TSE, a specially compounded thermoset elastomer which has excellent resistance to most chemicals and solvents.

Resistance to solvents and chemicals is tested by immersing cable specimens in a solution for 28 days at room temperature.

Measurements of cable diameter are made before and after immersion. Resistance is rated as follows, depending upon the % of change in cable diameter:

- (E) Excellent - less than 10%
- (G) Good - 10% to 30%
- (F) Fair - 30% to 50%
- (P) Poor - More than 50%

Acetic Acid (60%).....G	Chromic Acid.....G	Kerosene.....E	Potassium Hydroxide (20%)..E
Ammonium Hydroxide (60%).....E	Corn Oil.....E	Linseed Oil.....E	Rochelle Salts.....E
ASTM Fuel A.....E	Distilled Water.....E	Lubricating Oil (3-in-1).....E	Silicone Oil.....E
ASTM Fuel B.....G	Floor Polish.....E	Methyl Butyl Ketone.....P	Sodium Bicarbonate.....E
ASTM No. 1 Oil.....E	Formaldehyde (40%).....E	Milk.....E	Sodium Chloride.....E
ASTM No. 2 Oil.....E	Gasoline.....G	N-Butyl Alcohol.....E	Sodium Cyanide (60%).....G
ASTM No. 3 Oil.....E	Glycerine.....E	Perchloroethylene.....F	Sodium Hydroxide (60%)....G
Beef Blood.....E	Hydrocarbon Hydraulic Fluid.....E	Phosphate Ester Hydraulic (Skydrol 500B).....P	Sodium Nitrate.....E
Beer.....E	Hydrochloric Acid (60%).....E	Phosphoric Acid (85%).....E	Steel Mill Rolling Oil.....E
Boric Acid.....E	Hydrogen Sulfide.....E	Potassium Chloride.....E	Sulphuric Acid (10%).....E
Calcium Chloride.....E	JP-4 (Jet Fuel).....G	Potassium Citrate.....E	Toluene.....P
Chlorinated Salt Brine.....E			Turpentine.....G

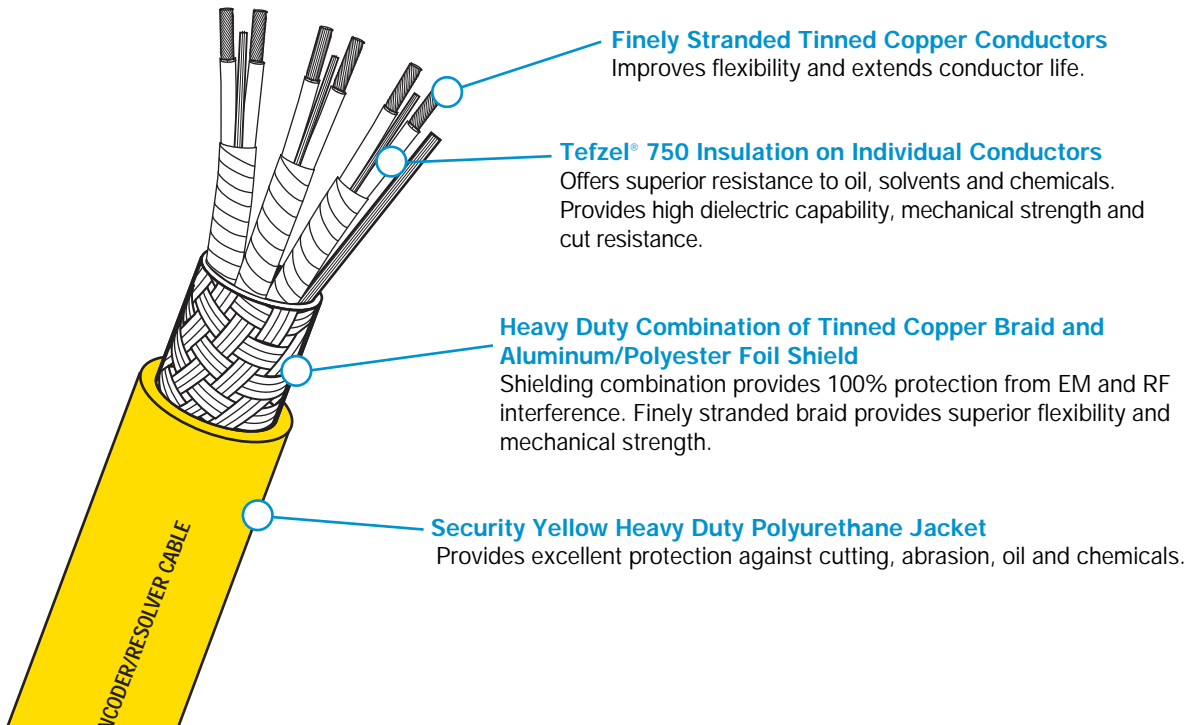
300 VOLT INDIVIDUALLY SHIELDED ENCODER/RESOLVER CABLE

BEST FOR: Heat, Pressure, Flow Meters • Load Cell Monitors • Proximity Switches • Servo Motors



- UL Recognized 90°C
- CSA Certified 80°C

- 300 Volt
- RoHS Compliant



ORDERING INFORMATION

Part No.	Cond Size (AWG)/ No. of Pairs	Conductor Stranding	Ampacity*	Insulation Thickness (IN.)	Ind. Pairs Drain Wire	Overall Drain Wire	Jacket Thickness (IN.)	Nom. Dia. (IN.)	Wt. (LBS.) per 1000 ft.
68602	20/2	19/32	13.5	0.006	22 AWG	22 AWG	0.045	0.305	53
68603	20/3	19/32	10.8	0.006	22 AWG	22 AWG	0.045	0.315	66
68604	20/4	19/32	9.5	0.006	22 AWG	22 AWG	0.045	0.350	83
68606	20/6	19/32	6.7	0.006	22 AWG	22 AWG	0.045	0.410	117
68607	20/7	19/32	6.7	0.006	22 AWG	22 AWG	0.045	0.410	125
68609	20/9	19/32	6	0.006	22 AWG	22 AWG	0.045	0.500	189
68702	22/2	19/34	11	0.006	24 AWG	24 AWG	0.045	0.275	43
68703	22/3	19/34	9	0.006	24 AWG	24 AWG	0.045	0.300	52
68704	22/4	19/34	8	0.006	24 AWG	24 AWG	0.045	0.315	62
68706	22/6	19/34	8	0.006	24 AWG	24 AWG	0.045	0.370	86
68707	22/7	19/34	6	0.006	24 AWG	24 AWG	0.045	0.370	92
68709	22/9	19/34	6	0.006	24 AWG	24 AWG	0.045	0.450	138
68802	24/2	19/36	8	0.006	26 AWG	26 AWG	0.045	0.275	33
68803	24/3	19/36	7	0.006	26 AWG	26 AWG	0.045	0.265	42
68804	24/4	19/36	6	0.006	26 AWG	26 AWG	0.045	0.300	48
68806	24/6	19/36	6	0.006	26 AWG	26 AWG	0.045	0.330	64
68807	24/7	19/36	4	0.006	26 AWG	26 AWG	0.045	0.330	68
68809	24/9	19/36	4	0.006	26 AWG	26 AWG	0.045	0.400	97

EXTREME TEMPERATURE CABLE (-70°C to +150°C)

BEST FOR: Deep Freeze Food Processing • Oil Fields • Arctic Pipeline • Construction Sites • Outdoor Applications



• 1000V Rated

• RoHS Compliant

• FT1 Flame Rating

Super-Trex Extreme Temperature Cable is designed to operate in temperature extremes ranging from -70°C to 150°C per ISO standards, (UL/cUL 105°C). The jacket is designed to withstand mechanical abuse and is resistant to UV light, water, oil and chemicals.



Stranded Tinned Copper Conductors

Stranded tinned copper conductors resist corrosion, improves flexibility and helps reduce conductor fatigue and breakage in flexing applications.

XLPO Insulation on Individual Conductors

The temperature rating of the insulation is matched to the jacket to provide maximum protection in high and low temperatures applications. The heavy duty design provides extra cut through protection.

High Temperature XLPO Jacket

Cross-linked polyolefin jacket protects the cable from high temperature operation and remains flexible at extreme cold temperatures. The heavy duty jacket provides protection from cutting, abrasion, water, oils, chemicals and is UV resistant.

UL Recognized

Certified by UL to both Canadian and U.S. requirements.

CONDUCTOR	COLOR
1	White
2	Black
3	Green
4	Red

ORDERING INFORMATION


Part No.	Cable Size AWG/Cond.	Conductor Stranding	Ampacity*	Nom. Dia. (in.)	Jacket Thickness (in.)	Wt. (lbs.) per 1000 ft.
87840	14/3	41/30	34	0.426	.065	106
87841	14/4	41/30	27	0.460	.065	130
87835	12/3	65/30	43	0.465	.065	141
87836	12/4	65/30	34	0.503	.065	172
87830	10/3	105/30	55	0.492	.065	192
87831	10/4	105/30	44	0.536	.065	238
87825**	8/3	168/30	76	0.685	.060	306
87826**	8/4	168/30	61	0.790	.080	482
87820**	6/3	259/30	96	0.814	.080	448
87821**	6/4	259/30	77	0.889	.080	593
87815**	4/3	413/30	120	0.933	.080	653
87816**	4/4	413/30	96	1.022	.080	871
87810**	2/3	665/30	160	1.074	.080	991
87811**	2/4	665/30	128	1.179	.080	1328

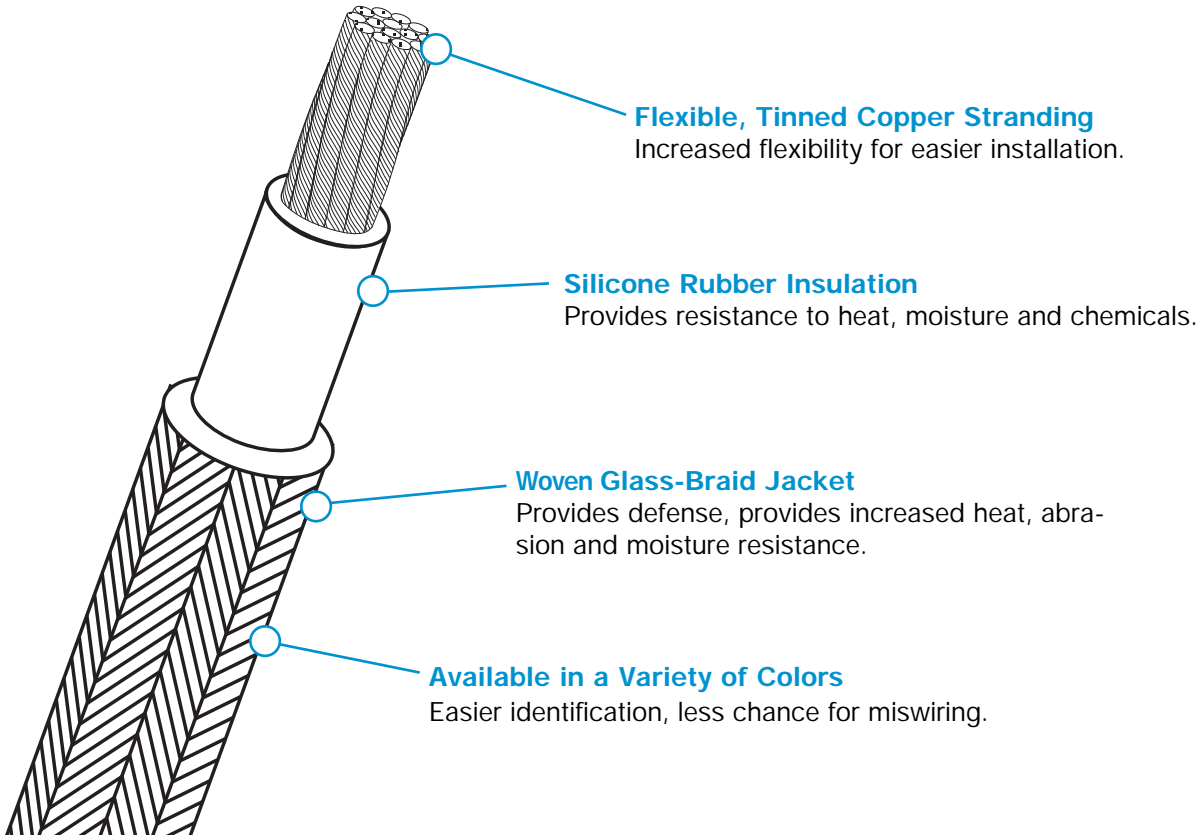
*Ambient temperature rating of 40° C, 150° C conductor temperature. Based on at least 3 current carrying conductors. Reference Table 310.18 of the NEC.

**Call for availability

THERMO-TREX[®] 500

BEST FOR: Festoon Systems • Motor Operated Valves

- | | | |
|--|--|---|
|  <ul style="list-style-type: none"> • 600 Volt • UL Recognized • CSA Certified | <ul style="list-style-type: none"> • Extreme Temperatures up to 775°F • RoHS Compliant | <ul style="list-style-type: none"> • Continuous Temperatures up to 392°F |
|--|--|---|



ORDERING INFORMATION

PART NO. BLACK	PART NO. WHITE	PART NO. RED	CONDUCTOR		NOMINAL O.D. (IN.)	WEIGHT (LBS.) PER 1000'
			SIZE (AWG)	CONDUCTOR STRANDING		
41001	41002	41003	18	16/30	.121	12.5
41004	41005	41006	16	26/30	.131	16.0
41007	41008	41009	14	41/30	.147	22.0
41010	41011	41012	12	65/30	.166	31.5
41013	41014	41015	10	105/30	.226	51.0
41016	41017	41018	8	133/29	.314	89.0
41019	41020**	41021**	6	133/27	.357	128.5
41022	41023**	41024**	4	133/25	.411	187.5
41025	41026**	41027**	2	133/23	.500	273.0
41028	41029**	41030**	1	259/25	.560	362.0
41031	41032**	41033**	1/0	259/24	.625	442.0
41034	41035**	41036**	2/0	259/23	.669	554.0
41037	41038**	41039**	3/0	259/22	.710	674.0
41040	41041**	41042**	4/0	259/21	.820	829.0

*Ampacity is based on a single conductor in free air, 40°C (104°F) ambient, 200°C (392°F) conductor temperature. Ampacity ratings for Thermo-Trex high-temperature wire are significantly higher than normally insulated wire because the insulating materials used in Thermo-Trex can withstand much higher conductor temperatures without breaking down.

**Non-stock

THERMO-TREX® 850

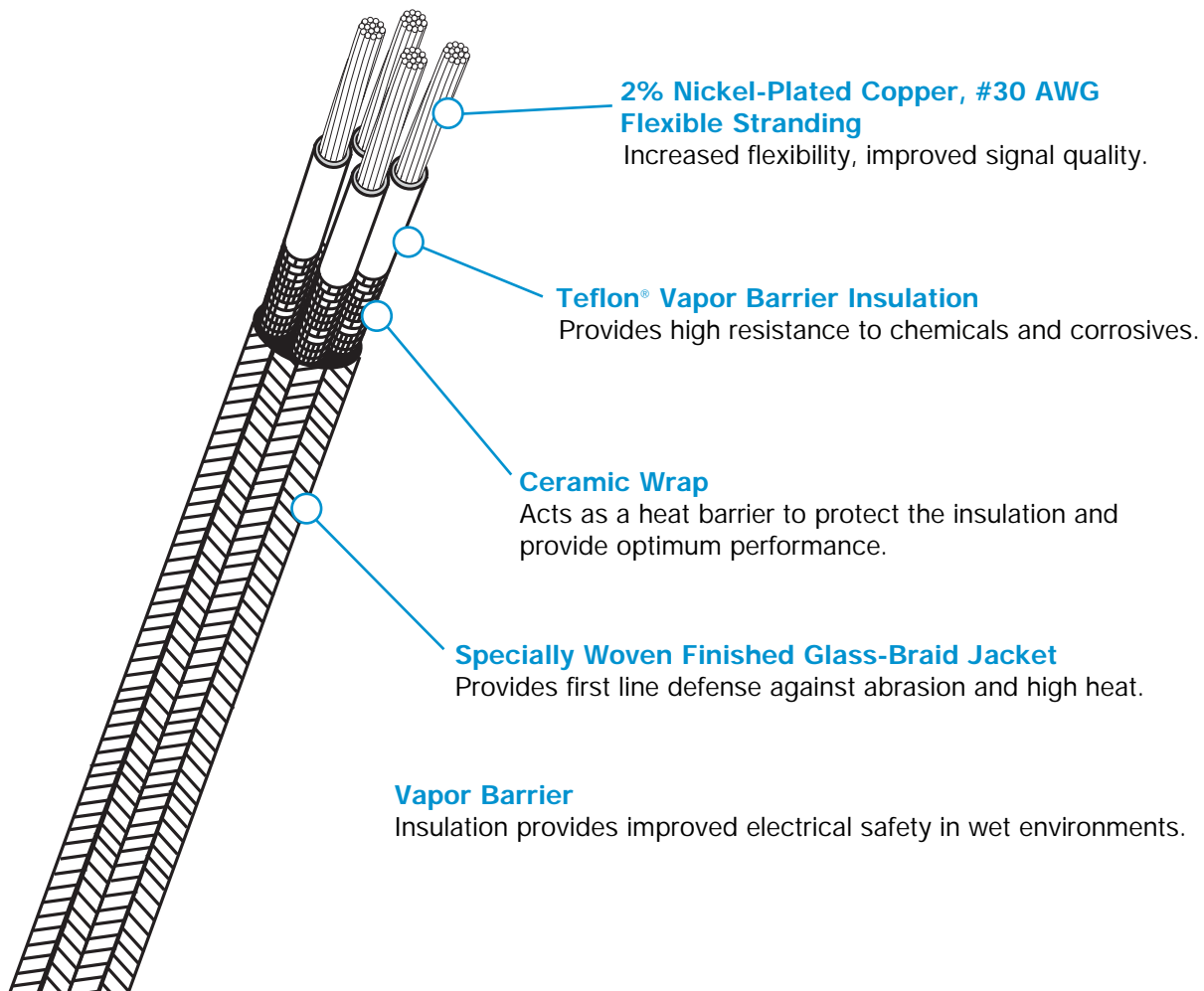
BEST FOR: Festoon Systems • Motor Operated Valves



- 600 Volt
- UL Recognized
- CSA Certified

- Extreme Temperatures up to 850°F
- RoHS Compliant

- Continuous Temperatures up to 500°F



ORDERING INFORMATION

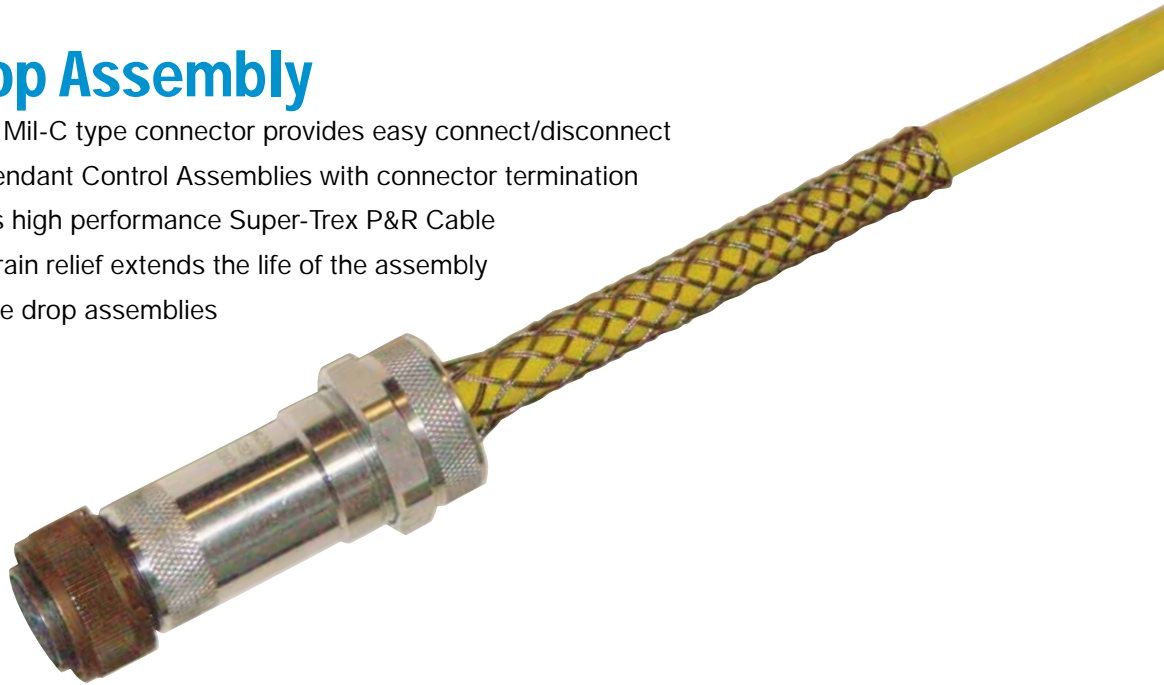
PART NO.	CONDUCTOR		AMPACITY*	NOMINAL O.D. (IN.)	WEIGHT (LBS.) PER 1000'
	SIZE (AWG)	CONDUCTOR STRANDING			
41062	18	16/30	27	.110	13
41065	16	26/30	37	.120	18
41068	14	41/30	51	.140	24
41071	12	65/30	66	.160	34
41074	10	105/30	90	.185	51
41084	16/4	26/30	16	.332	84
41087	16/12	26/30	10	.566	224
41089	12/4	65/30	22	.423	158

*Ampacity is based on a single conductor in free air, 40°C (104°F) ambient, 200°C (392°F) conductor temperature. Ampacity ratings for Thermo-Trex high-temperature wire are significantly higher than normally insulated wire because the insulating materials used in Thermo-Trex can withstand much higher conductor temperatures without breaking down.

PENDANT BOXES

Pendant Drop Assembly

- Environmentally sealed Mil-C type connector provides easy connect/disconnect
- Mates directly to our Pendant Control Assemblies with connector termination
- Assembled using TPC's high performance Super-Trex P&R Cable
- Stainless steel mesh strain relief extends the life of the assembly
- Dual-ended male/female drop assemblies also available



Pendant with Mesh Strain Relief

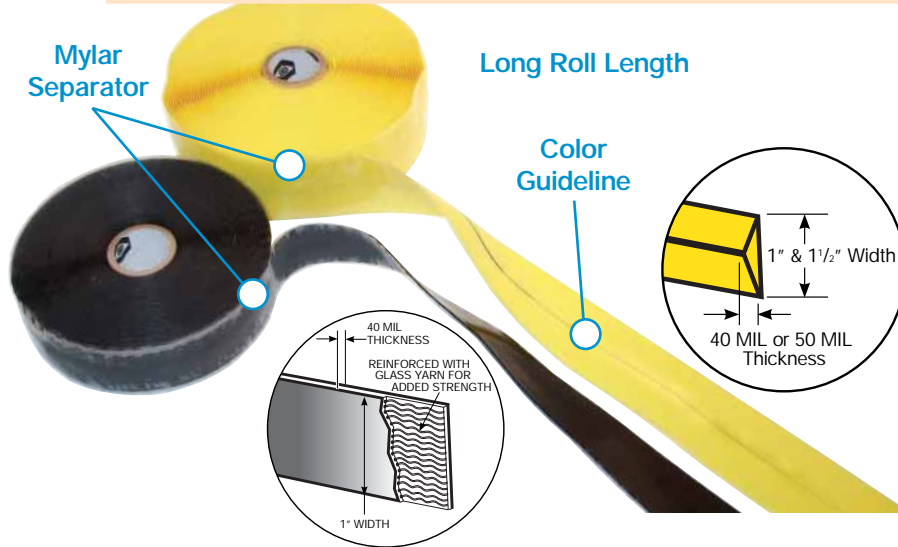
- Pre-wired for immediate installation saving valuable time and money
- Stainless steel mesh strain relief extends the life of the assembly
- Assembled with TPC's high performance Super-Trex® P&R Cable
- Custom cable lengths to meet your specific application
- Available in 2, 4, 6 and 8 push button configurations



VULKO-WRAP™ INSULATING MATERIAL

BEST FOR: Cable Insulation & Terminal Splices • High Heat & Voltage • Outdoor Terminations

- Self-Vulcanizing Wrap
- High Dielectric Strength
- Temperature Rating (-60°F to +400°F)
- Reinforced with Glass Yarn Fiber
- RoHS Compliant



OTHER APPLICATIONS

- Bus Bar Insulation
- Corrosive Areas
- Electroplating Dangers
- Food Related Equipment
- HVAC Equipment
- Insulation For Radioactive Environments
- Lift Truck Battery Cable Terminals
- Motor Leads
- Temporary Repair of Low Pressure Air and Hydraulic Lines
- Transformer Tap Lead Insulation
- Washdown Areas

High Dielectric Strength

Can be used for all electrical connections.

Specially Compounded, Synthetic Silicone Elastomer

Resistant to oil, water, ozone, and many chemicals. Wide temperature range from -60° F to +400° F.

Vulcanizes Immediately

Requires no heat – becomes fully bonded in 24 hours at room temperature. Remains pliable over time.

No Adhesives – Adheres Only to Itself

Easy to remove – leaves no residue. Covered fittings are immediately reusable.

Triangular Shape with Color Guideline

Allows even thickness for uniform high dielectric strength.

Stretches to Approximately 2-1/2 Times its Length

Conforms to irregular shapes and uneven surfaces. Can be used on parts which move or vibrate.

Width 1" to 1-1/2"

Covers more surface than ordinary tape with a single wrap.

Available in 40 MIL or 50 MIL Thickness

Extra thick design allows wrapping over sharp and irregular surfaces without tearing or puncturing.

SPECIFICATIONS Meets U.S. Military Spec. MIL-I-46852, superseded by CID A-A-59163.

DIELECTRIC STRENGTH (Per ASTM D-149): 300 volts per mil of finished wrap thickness for 40 mil and 275 volts per mil of finished wrap thickness for 50 mil.

TENSILE/BREAK STRENGTH (Per ASTM D-412): 700 PSI Min.; 17 lbs. for 40 mil; 42 lbs. for 50 mil.

ELONGATION (Per ASTM D-412): 300% minimum.

SHELF LIFE Product should be stored at 70°F or less for maximum shelf life. Store in original packaging in clean dry environment when not in use.

PRODUCT LIMITATION Vulko-Wrap has a low abrasion and cut resistance. A protective overwrap is recommended for applications exposed to dragging or impact.

SPECIFICATIONS Meets U.S. Military Spec. MIL-I-22444C.

DIELECTRIC STRENGTH (Per ASTM D-149) 500 volts per mil of finished wrap thickness for 40 mil.

ELONGATION (Per ASTM D-412) 15% minimum.

SHELF LIFE Product should be stored at 70°F or less for maximum shelf life. Store in original packaging in clean dry environment when not in use.

REINFORCEMENT Reinforcing braid embedded in center of material provides enhanced mechanical strength while still allowing the product to cover irregular shapes.

ORDERING INFORMATION

PART NO.	NOMINAL THICKNESS	NOMINAL WIDTH	NOMINAL LENGTH	WRAP COLOR	GUIDE LINE COLOR	DIELECTRIC STRENGTH PER MIL
98412	40 Mils	1 In. (2.54 cm)	36 Ft. (1100 cm)	Yellow	Red	300 Volts
98512	50 Mils	1-1/2 In. (3.81 cm)	36 Ft. (1100 cm)	Yellow	Black	275 Volts
98412BK	40 Mils	1 In. (2.54 cm)	36 Ft. (1100 cm)	Black	Green	300 Volts
98512BK	50 Mils	1-1/2 In. (3.81 cm)	36 Ft. (1100 cm)	Black	Yellow	275 Volts
18412 Reinforced	40 Mils	1 In. (2.54 cm)	36 Ft. (1100 cm)	Black	None	500 Volts

It's easy to do business with TPC WIRE & CABLE

Super-Trex®

Trex-Onics®

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Chem-Gard™

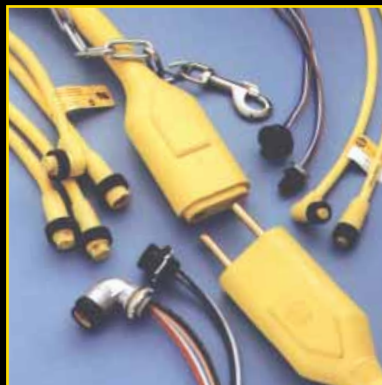
Quick-Connects™

Flex-Net™

Vulko-Wrap™

Kord-Gard™

Grip-Seal™



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Power & Control Assemblies

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FAX 216-525-4392

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TOLL FREE CHILE 1230-020-5842

TOLL FREE COLUMBIA 009-0-1-800-915-6832

ONLINE www.tpcwire.com



TPC WIRE & CABLE

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