



Providing the Total Wire & Cable Solution for the

# FOOD and BEVERAGE MARKET

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TPC WIRE & CABLE CORP.



## 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
- Proven product reliability
- 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:

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

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.

# Reliability for Food & Beverage Industry Applications



Food & Beverage industrial applications are typically subject to numerous forms of daily wash downs that can affect the reliability of electrical equipment such as wire, cable and connectors. TPC offers a wide range of proven highly reliable wire, cable and accessory products demonstrated to provide excellent performance in these harsh environments offering significant cost savings.

In the majority of Food & Beverage processing facilities daily cleanings or “wash-downs” typically utilize high pressure sprays at extremely high temperatures along with acidic sanitizers and caustic cleaning solvents. These required wash downs can degrade exposed electrical cables and connections over time causing down time and significant losses to the manufacturer.

At TPC, research and development is a continuous process. Superior performance is a function of product design, construction and matching the correct cable to the application. With over 3,000 part numbers in stock and our in-house engineering staff, TPC is a



single source supplier of electrical cable, wire and accessories that can accommodate virtually all Food & Beverage applications.



The cable, connectors and accessories presented in our catalog have been specifically designed for use in applications where long term performance and reliability are of the utmost importance. At TPC success is measured in the reduction of customer downtime and lower overall maintenance costs. Our commitment to our customer is the cornerstone of our business approach and what distinguishes TPC from the ordinary wire and cable supplier. Product innovation, quality and superior customer service are the goals of every employee at TPC. It is this philosophy that insures our fine reputation is being continually earned.

# CHEM-GARD™ 200



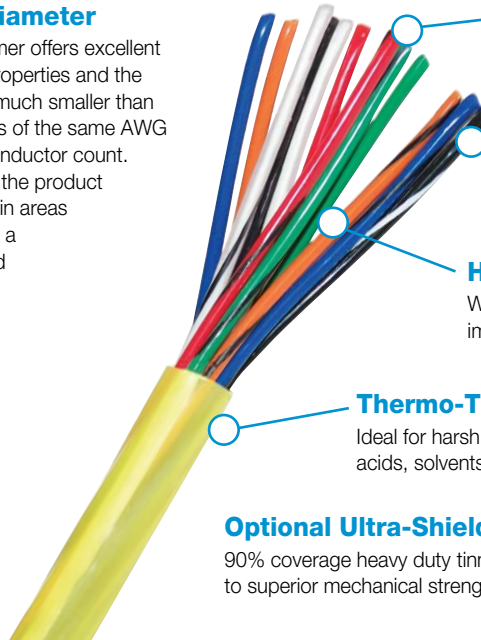
- UL Recognized
- 600 Volt
- CSA Approved

- 200°C/392°F
- FT1 – CSA Flame Test
- VW1 – UL Flame Test

- Rated to -60°C
- Both Chem-Gard 200 & 150 are RoHS Compliant

## Small Diameter

Fluoropolymer offers excellent electrical properties and the product is much smaller than most cables of the same AWG size and conductor count. This allows the product to be used in areas that require a tighter bend radius.



## Finely Stranded Nickel Plated Copper Conductors

For improved flexibility in dynamic applications and protection from corrosion and oxidation in chemical and high temperature environments.

## Fluoropolymer Conductor Insulation

Extremely chemical resistant and mechanically durable for additional protection against cutting, abrasion and chemicals. Conductors slide easily within jacket for maximum flex life.

## High Temperature Fluoropolymer Fillers

Will not wick up contaminants into cable. Allows conductors to move freely within jacket for improved flexibility in dynamic applications.

## Thermo-Trex Fluoropolymer Jacket

Ideal for harsh chemical environments. Excellent defense against cutting and abrasion. Resistant to oils, acids, solvents and chemicals. Designed for continuous temperature environments up to 200°C (392°F).

## Optional Ultra-Shield™ Construction

90% coverage heavy duty tinned copper braid shielding provides protection from EM and RF interference in addition to superior mechanical strength in abusive environments.

## ORDERING INFORMATION

### UNSHIELDED High Temp Non-Shielded Braid – 200°C (Additional configurations available)

	Part No.	Configuration AWG/Cond.	Stranding (Strands/AWG)	Braid Shield	Conductor	Insulation	Cable OD	Ampacity <sup>1</sup>	Drain Wire	Wt. (LBS.) per 1,000'
Multi-Conductor	42604	16/4	65/34	None	Nickel	Fluoropolymer	.230	26.0	None	59
	42612	16/12	65/34	None	Nickel	Fluoropolymer	.370	16.0	None	152
	42404	14/4	105/34	None	Nickel	Fluoropolymer	.270	43.0	None	86.5
	42204	12/4	65/30	None	Nickel	Fluoropolymer	.345	54.0	None	133.5
Single Conductor Single Conductor Product Available in Black, White, Red or Green	42881	18 BLACK	41/34	None	Nickel	Fluoropolymer	.068	24.0	None	6.8
	42882	18 WHITE	41/34	None	Nickel	Fluoropolymer	.068	24.0	None	6.8
	42883	18 RED	41/34	None	Nickel	Fluoropolymer	.068	24.0	None	6.8
	42884	18 GREEN	41/34	None	Nickel	Fluoropolymer	.068	24.0	None	6.8
	42661	16 BLACK	65/34	None	Nickel	Fluoropolymer	.078	32.0	None	10.4
	42662	16 WHITE	65/34	None	Nickel	Fluoropolymer	.078	32.0	None	10.4
	42663	16 RED	65/34	None	Nickel	Fluoropolymer	.078	32.0	None	10.4
	42664	16 GREEN	65/34	None	Nickel	Fluoropolymer	.078	32.0	None	10.4
	42441	14 BLACK	105/34	None	Nickel	Fluoropolymer	.094	54.0	None	15.5
	42442	14 WHITE	105/34	None	Nickel	Fluoropolymer	.094	54.0	None	15.5
	42443	14 RED	105/34	None	Nickel	Fluoropolymer	.094	54.0	None	15.5
	42444	14 GREEN	105/34	None	Nickel	Fluoropolymer	.094	54.0	None	15.5
	42221	12 BLACK	65/30	None	Nickel	Fluoropolymer	.124	68.0	None	24.6
	42222	12 WHITE	65/30	None	Nickel	Fluoropolymer	.124	68.0	None	24.6
	42223	12 RED	65/30	None	Nickel	Fluoropolymer	.124	68.0	None	24.6
	42224	12 GREEN	65/30	None	Nickel	Fluoropolymer	.124	68.0	None	24.6

### SHIELDED High Temp Shielded Braid – 200°C (Additional configurations available)

Part No.	Configuration AWG/Cond.	Stranding (Strands/AWG)	Braid Shield	Conductor	Insulation	Cable OD	Ampacity <sup>1</sup>	Drain Wire	Wt. (LBS.) per 1,000'
42061	16/4	65/34	Nickel	Nickel	Fluoropolymer	.245	26.0	20AWG	77
42063	12/4	65/30	Nickel	Nickel	Fluoropolymer	.370	52.0	20AWG	154
42065	16/12	65/34	Nickel	Nickel	Fluoropolymer	.385	16.0	20AWG	176

<sup>1</sup>Ampacities are based on conductors in free air, 40°C (104°F) ambient, 200°C (392°F) conductor temperature.

# CHEM-GARD™ 150

## ORDERING INFORMATION

### UNSHIELDED Non-Shielded Configurations – 150°C *(Additional configurations available)*

Part No.	Configuration AWG/Cond.	Stranding (Strands/AWG)	Braid Shield	Conductor	Insulation	Cable OD	Ampacity <sup>2</sup>	Drain Wire	Wt. (LBS.) per 1,000'
42126	16/4	65/34	None	Tinned	Fluoropolymer	.225	21.0	None	59
42128	12/4	65/30	None	Tinned	Fluoropolymer	.335	48.0	None	128
42130	16/12	65/34	None	Tinned	Fluoropolymer	.365	13.0	None	150

### SHIELDED Shielded Configurations – 150°C *(Additional configurations available)*

Part No.	Configuration AWG/Cond.	Stranding (Strands/AWG)	Braid Shield	Conductor	Insulation	Cable OD	Ampacity <sup>2</sup>	Drain Wire	Wt. (LBS.) per 1,000'
42114	18/3	65/36	Tinned	Tinned	Fluoropolymer	.205	16.0	20AWG	35.5
42116	16/4	65/34	Tinned	Tinned	Fluoropolymer	.245	21.0	20AWG	77
42118	12/4	65/30	Tinned	Tinned	Fluoropolymer	.370	48.0	20AWG	154
42120	16/12	65/34	Tinned	Tinned	Fluoropolymer	.385	13.0	20AWG	176

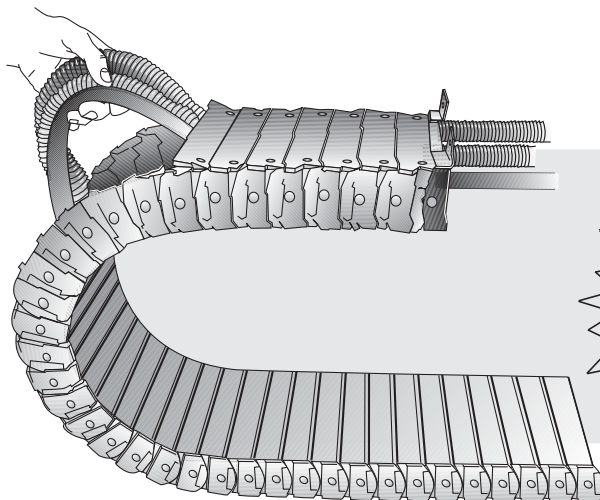
<sup>2</sup>Ampacities are based on conductors in free air, 40°C (104°F) ambient, 150°C (302°) conductor temperature.

#### CONDUCTOR COLOR CODES

1	Black
2	White
3	Red
4	Green
5	Orange
6	Blue
7	White/Black
8	Red/Black
9	Green/Black
10	Orange/Black
11	Blue/Black
12	Black/White

#### CHEMICAL RESISTANCE

	Fluoropolymer	FEP
<b>Oxidation Resistance</b>	Excellent	Excellent
<b>Oil</b>	Excellent	Excellent
<b>UV Rays</b>	Excellent	Excellent
<b>Water</b>	Excellent	Excellent
<b>Acid</b>	Excellent	Excellent
<b>Alkali</b>	Excellent	Excellent
<b>Gasoline/Kerosene</b>	Excellent	Excellent
<b>Benzol Toluene</b>	Excellent	Excellent
<b>Degreaser Solvent</b>	Excellent	Excellent
<b>Alcohol</b>	Excellent	Excellent



**7**  
MILLION

In cat track testing  
Chem-Gard 16/12 completed  
over 7,000,000 cycles  
without electrical failure

# CHEM-GARD™ DC MICRO QUICK-CONNECTS™

- 300 Volt Rated
- Single Key Design

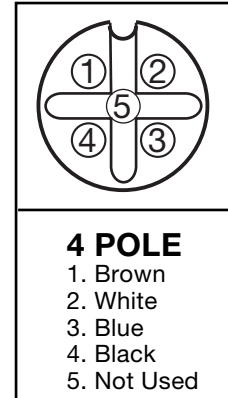
- Meets IP68 Requirements for Dust and Water

- RoHS Compliant

90° DC Micro Quick-Connect



Straight DC Micro Quick-Connect



## FEATURES AND BENEFITS

### Cord Sets Made with Chem-Gard™ 200°C Cable

Unique fluoropolymer cable design provides excellent resistance to chemicals and weld splatter. Designed for continuous flex applications and provides protection up to 200°C. Small cable diameter allows use in areas requiring tight bend radius.

### Fully Bonded Design

The fluoropolymer cable is fully bonded to the polyurethane head using a unique process providing an IP68 seal against moisture.

### Specially Compounded Nylon Inserts

Compatible with all industry standards for DC applications.

### Solid Brass Contact Pins are nickel coated and gold plated

Provides long life, resists corrosion, easy positive engagement. Ensures electrical integrity in DC applications.

### Chemical Resistance ETFE/FEP

Acid	Excellent
Alcohol	Excellent
Alkali	Excellent
Benzol Toluene	Excellent
Degreaser Solvent	Excellent
Gasoline/Kerosene	Excellent
MEK	Excellent
Oil	Excellent
Oxidation Resistance	Excellent
UV Rays	Excellent
Water	Excellent

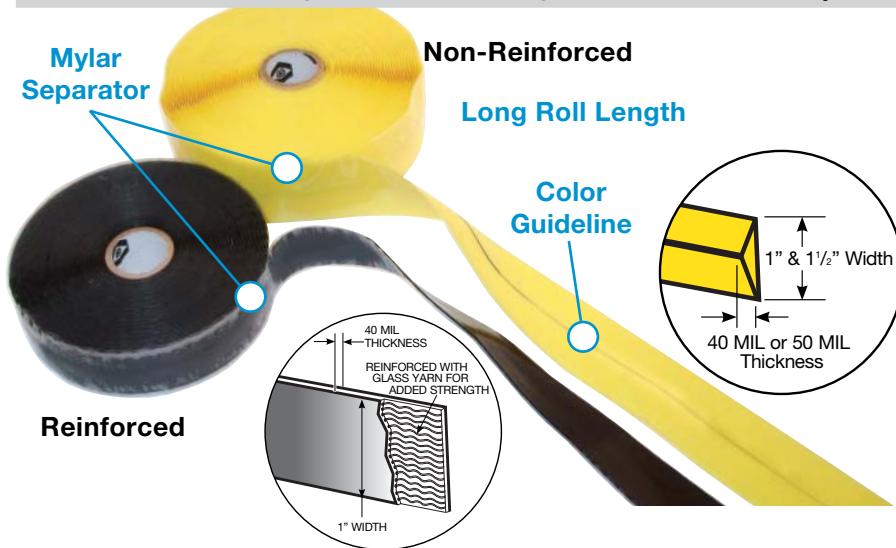
- Broad range of applications
- Withstands extreme cold and heat
- Durable; abrasion resistant
- Chemically resistant; performs in harsh chemical environments
- High flexibility

## ORDERING INFORMATION

Part No.	Description	Feet	Meters	Part No.	Description	Feet	Meters
CF14C75M001	4 Pole Straight F	3.28	1	CF24E75A020	4 Pole M/F	1.64	.5
CF14C75M002	4 Pole Straight F	6.56	2	CF24E75M001	4 Pole M/F	3.28	1
CF14C75M004	4 Pole Straight F	13.12	4	CF24E75M002	4 Pole M/F	6.56	2
CF14C75M006	4 Pole Straight F	19.68	6	CF24E75M003	4 Pole M/F	9.84	3
CF14D75M001	4 Pole 90° F	3.28	1	CF24E75M004	4 Pole M/F	13.12	4
CF14D75M002	4 Pole 90° F	6.56	2	CF24E75M005	4 Pole M/F	16.40	5
CF14D75M004	4 Pole 90° F	13.12	4	CF24E75M006	4 Pole M/F	19.68	6
CF14D75M006	4 Pole 90° F	19.68	6	CF24F75A020	4 Pole M Straight/F 90°	1.64	.5
CF24G75M001	4 Pole M 90°/F Straight	3.28	1	CF24F75M001	4 Pole M Straight/F 90°	3.28	1
CF24G75M002	4 Pole M 90°/F Straight	6.56	2	CF24F75M002	4 Pole M Straight/F 90°	6.56	2
CF24G75M004	4 Pole M 90°/F Straight	13.12	4	CF24F75M003	4 Pole M Straight/F 90°	9.84	3
				CF24F75M004	4 Pole M Straight/F 90°	13.12	4
				CF24F75M005	4 Pole M Straight/F 90°	19.68	6

# VULKO-WRAP™ INSULATING MATERIAL

- Self-Vulcanizing Wrap
- High Dielectric Strength
- Temperature Rating (-60°F to +400°F)
- RoHS Compliant



## 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.

## Non-Reinforced Product 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.

## OTHER APPLICATIONS

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

## For Non-Reinforced

**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.

## For Reinforced

**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.	THICKNESS WIDTH & LGTH.	COLOR	DIELECTRIC STRENGTH	MEETS MIL SPEC	NO. OF WRAPS	FINISHED THICKNESS	VOLTAGE PROTECTION
<b>98412</b> Non-Reinforced	<b>40 Mil</b> 1 in. x 36 ft.	Yellow	300 Volts/Mil	MIL-I-46852	1	20 mil	5,500
					2	40 mil	11,000
					3	60 mil	16,500
<b>98512</b> Non-Reinforced	<b>50 Mil</b> 1 in. x 36 ft.	Yellow	275 Volts/Mil	MIL-I-46852	1	25 mil	6,875
					2	50 mil	13,750
					3	75 mil	20,625
<b>98412BK</b> Non-Reinforced	<b>40 Mil</b> 1 in. x 36 ft.	Black	300 Volts/Mil	MIL-I-46852	1	20 mil	5,500
					2	40 mil	11,000
					3	60 mil	16,500
<b>98512BK</b> Non-Reinforced	<b>50 Mil</b> 1 1/2 in. x 36 ft.	Black	275 Volts/Mil	MIL-I-46852	1	25 mil	6,875
					2	50 mil	13,750
					3	75 mil	20,625
<b>18412</b> Reinforced	<b>40 Mil</b> 1 in. x 36 ft.	Black	500 Volts/Mil	MIL-I-22444C	1	36 mil	18,000
					2	72 mil	36,000
					3	108 mil	54,000

Assumes 50% overlap and stretching the wrap 2.5 times. Assumes 25% overlap and stretching the wrap 10%.

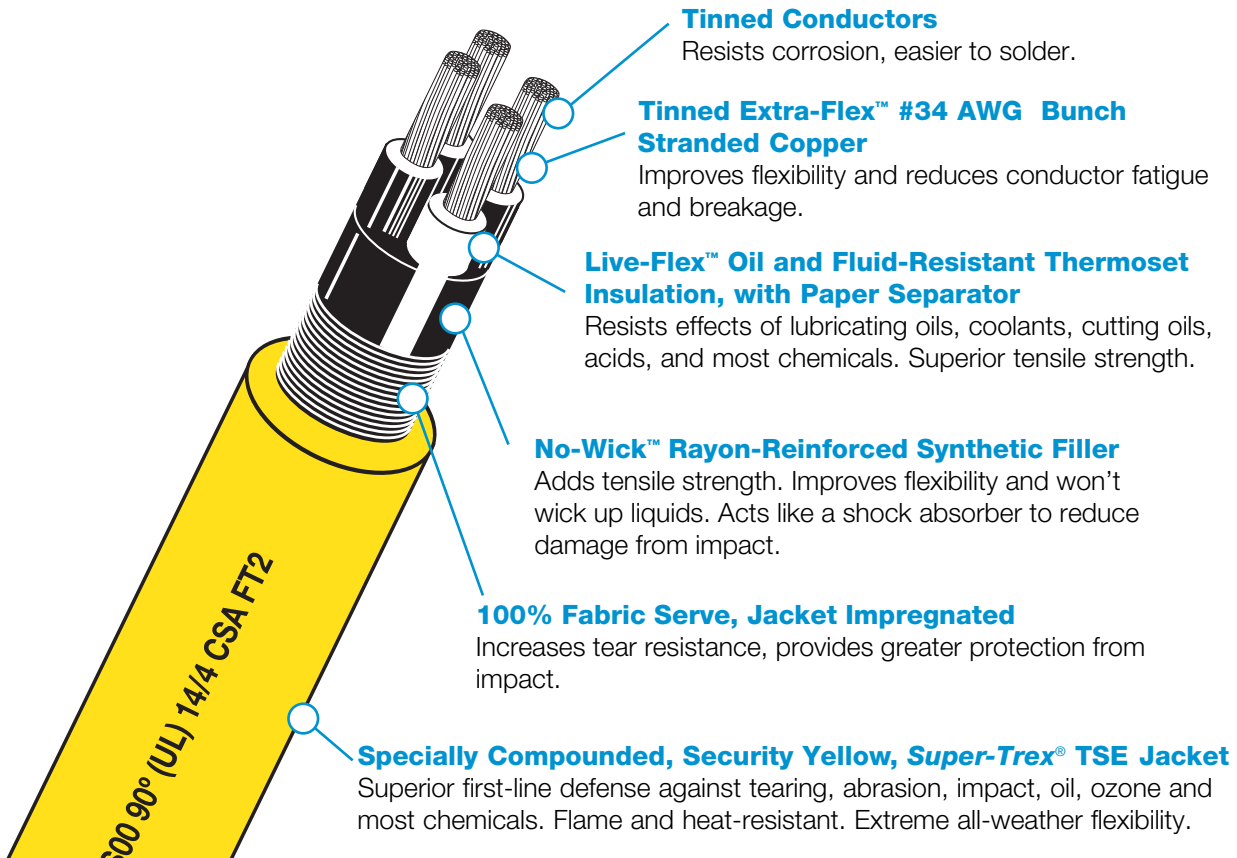
# SUPER-TREX® ULTRA-GARD™ PORTABLE CORD



- UL Listed
- CSA Certified
- SOO Rated
- 600 Volt

- MSHA Approved
- 90°C to -30°C
- UV Resistant
- FT-2

- RoHS Compliant
- Extra Hard Usage
- Suitable for Class 1, 2, 3 – Division 1 & 2\*



## ORDERING INFORMATION

PART NO.	CORD SIZE AWG/COND.	CONDUCTOR STRANDING	AMPACITY (1)	INSULATION THICKNESS (IN.)	JACKET THICKNESS (IN.)	MAX. O.D. (IN.)	WT. (LBS.) PER 1000'
87192	18/3	41 x 34	10	.030	.060	.380	80
87197	18/4	41 x 34	7	.030	.060	.408	100
87191	16/2	65 x 34	13	.030	.060	.388	85
87193	16/3	65 x 34	13	.030	.060	.408	105
87193AU**	16/3	65 x 34	13	.030	.060	.408	105
87198	16/4	65 x 34	10	.030	.060	.435	120
87202	16/5	65 x 34	8	.030	.080	.520	175
87202AU**	16/5	65 x 34	8	.030	.060	.520	175
87206	16/6	65 x 34	8	.030	.080	.560	210
87207	16/7	65 x 34	7	.030	.080	.630	240
87208	16/8	65 x 34	7	.030	.080	.640	275
87194	14/3	104 x 34	18	.045	.080	.548	180
87199	14/4	104 x 34	15	.045	.080	.590	210
87195	12/3	165 x 34	25	.045	.095	.623	235
87200	12/4	165 x 34	20	.045	.095	.675	290
87196	10/3	259 x 34	30	.045	.095	.685	310
87201	10/4	259 x 34	25	.045	.095	.738	385

NOTES: (1) Allowable ampacity per conductor for flexible cords and cables, based on ambient temperature of 30° C, and conductor temperature of 90° C. NEC 2008 Table 400.5 (A).  
\*When installed in accordance with NEC guidelines sections, 501.140, 502.140, 503.140. \*\*Automotive Standard Conductor Color Code.



# SUPER-TREX® TYPE TC PORTABLE CORD

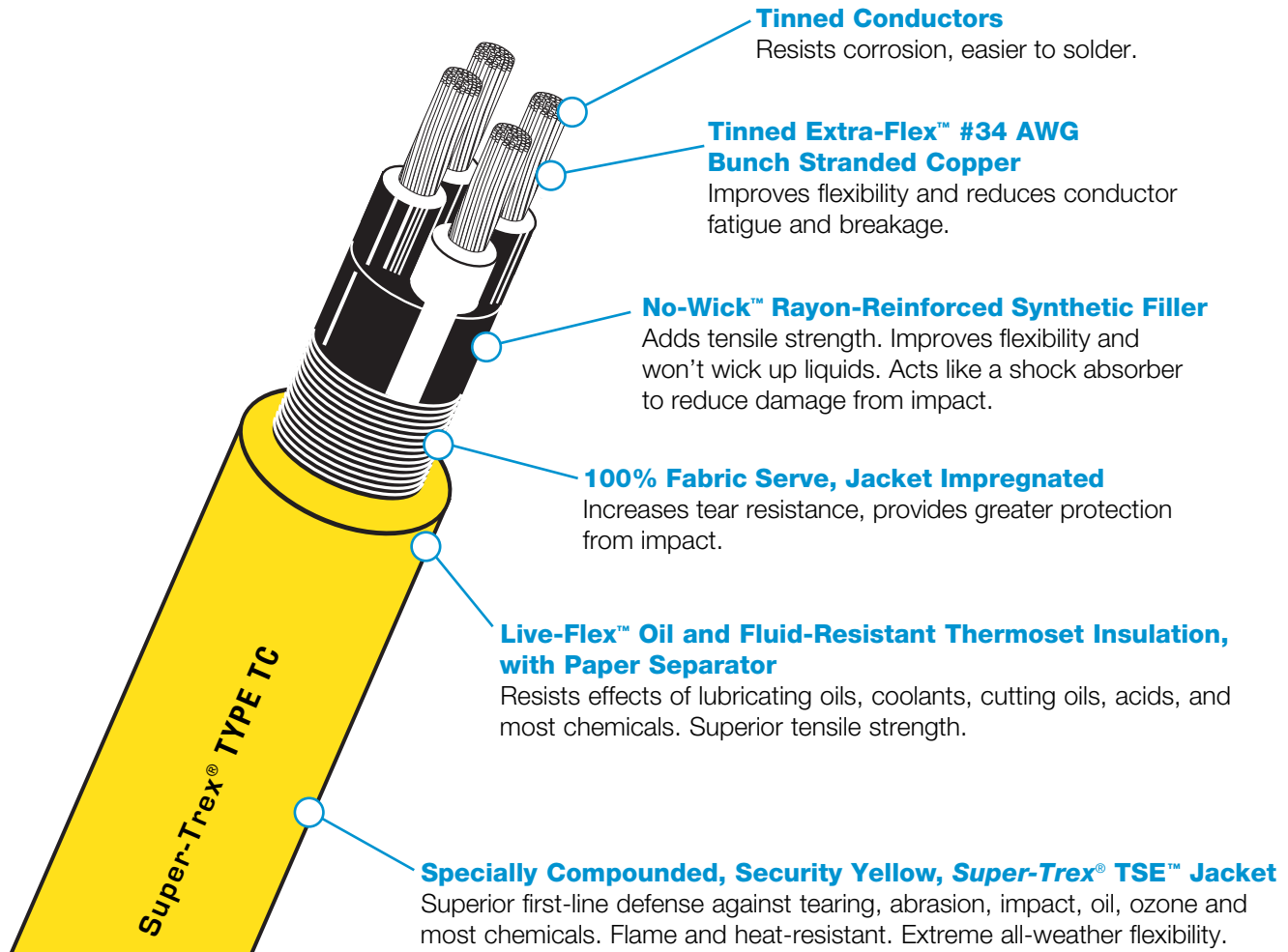


- UL
- CSA

- SOOW
- FT-4
- 90°C

- Oil Resistant
- Type TC - 600 Volt
- MSHA

- Suitable for Class 1, 2, 3 – Division 1 & 2\*
- Sun Resistant



## ORDERING INFORMATION

PART NO.	CABLE SIZE AWG/COND.	STRANDING NO. x AWG	AMPACITY (1)	INSULATION THICKNESS (IN.)	MIN. AVG. JACKET THICKNESS (IN.)	NOMINAL O.D. (IN.)	CABLE WT. (LBS.) PER 1000'
87193TC	16/3	65 x 34	13	.030	.060	.408	105
87198TC	16/4	65 x 34	10	.030	.060	.435	130
87194TC	14/3	104 x 34	18	.045	.080	.548	185
87199TC	14/4	104 x 34	15	.045	.080	.590	245
87200TC	12/4	165 x 34	20	.045	.095	.675	320
87201TC	10/4	259 x 34	25	.045	.095	.745	400

NOTES: (1) Allowable ampacity per conductor for flexible cords and cables, based on ambient temperature of 30° C, and conductor temperature of 90° C. NEC 2008 Table 400.5 (A). \*When installed in accordance with NEC guidelines sections, 501.140, 502.140, 503.140.

# SUPER-TREX<sup>®</sup> REDUCED DIAMETER CONTROL CABLE



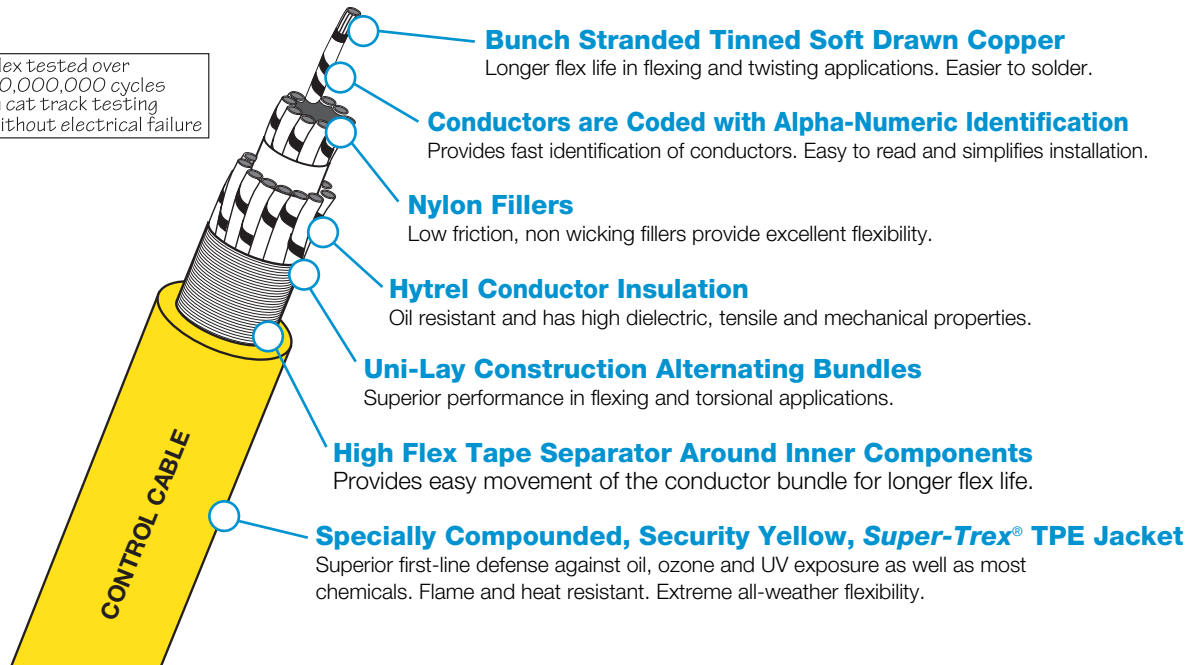
- UL Listed
- CSA Certified

- 600 Volt
- 90°C

- RoHS Compliant

**20**  
MILLION

Flex tested over  
20,000,000 cycles  
in cat track testing  
without electrical failure



## 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'
<b>16 AWG</b>  FT-4 TC Rated Exposed Run	88512	16/12	65 x 34	12	.010	.070	.510	191
	88516	16/16	65 x 34	12	.010	.070	.550	239
	88522	16/22	65 x 34	12	.010	.080	.650	327
	88525	16/25	65 x 34	12	.010	.080	.700	376
	88531	16/31	65 x 34	10	.010	.080	.725	425
	88541	16/41	65 x 34	10	.010	.100	.870	608
	88549	16/49	65 x 34	10	.010	.100	.900	714
	88560	16/60	65 x 34	8	.010	.100	.975	783
<b>18 AWG</b>  FT-4 TC Rated Exposed Run	88905	18/5	41 x 34	10	.010	.060	.321	68
	88912	18/12	41 x 34	9	.010	.070	.444	137
	88919	18/19	41 x 34	9	.010	.075	.538	208
	88925	18/25	41 x 34	9	.010	.080	.613	273
	88933	18/33	41 x 34	7	.010	.080	.645	318
	88949	18/49	41 x 34	7	.010	.090	.787	473
<b>20 AWG</b>  FT-1	88305	20/5	26 x 34	9.0	.010	.050	.275	52
	88312	20/12	26 x 34	8.6	.010	.050	.362	94
	88319	20/19	26 x 34	8.6	.010	.060	.453	148
	88325	20/25	26 x 34	7.3	.010	.060	.507	175
	88333	20/33	26 x 34	7.3	.010	.065	.541	226
	88347	20/47	26 x 34	6.1	.010	.070	.663	335
	88365	20/65	26 x 34	6.1	.010	.100	.820	515

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.

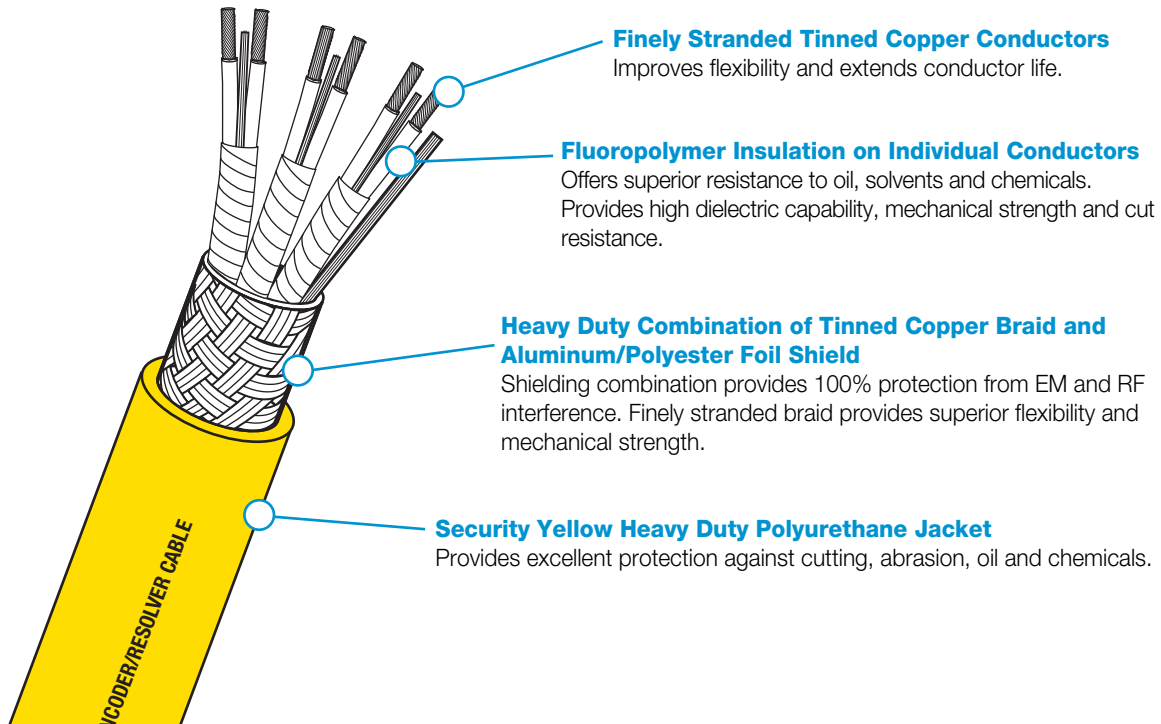
# TREX-ONICS® 300 VOLT INDIVIDUALLY SHIELDED ENCODER/RESOLVER CABLE



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

- VW-1
- FT-2

- 300 Volt
- RoHS Compliant



## ORDERING INFORMATION

Part No.	Cond Size (AWG)/ No. of Pairs	Conductor Stranding	Ampacity (1)	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

NOTES: (1) Ampacities are based on 40°C ambient and 90°C conductor temperature. These values are to be used as a guideline and may vary according to the actual cable application.

# TREX-ONICS® OVERALL SHIELDED CONTINUOUS FLEX MULTI-CONDUCTOR CABLE



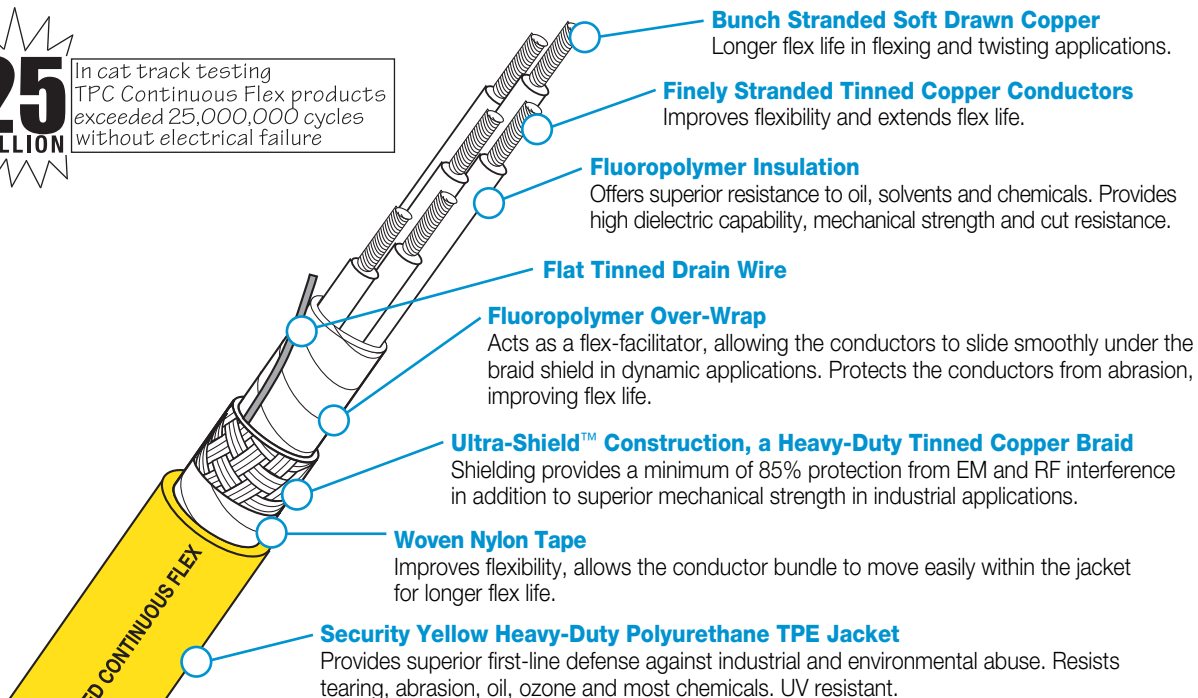
- UL Recognized 90°C
- CSA Certified 80°C

- Designed for Continuous Flex Applications
- MSHA Approved

- 600 Volt
- 90°C
- RoHS Compliant

**25**  
MILLION

In cat track testing TPC Continuous Flex products exceeded 25,000,000 cycles without electrical failure



## ORDERING INFORMATION

PART NO.	CABLE AWG/COND.	STRANDING NO./AWG	AMPACITY (1)	DRAIN WIRE	NOMINAL O.D.	INSULATION THICKNESS (IN.)	WT. (LBS.) Per 1000'
61705	16/5	65/34	20.0	20AWG	.385	.010	110
61709	16/9	65/34	17.0	20AWG	.435	.010	158
61712	16/12	65/34	12.0	20AWG	.465	.010	185
61719	16/19	65/34	12.0	20AWG	.575	.010	286
61725	16/25	65/34	11.0	20AWG	.640	.010	360
61731	16/31	65/34	9.6	20AWG	.655	.010	412
61402	18/2	41/34	18.0	20AWG	.250	.010	50
61403	18/3	41/34	18.0	20AWG	.265	.010	54
61404	18/4	41/34	14.4	20AWG	.280	.010	58
61406	18/6	41/34	14.4	20AWG	.320	.010	88
61409	18/9	41/34	13.0	20AWG	.400	.010	110
61412	18/12	41/34	9.0	20AWG	.415	.010	145
61418	18/18	41/34	9.0	20AWG	.485	.010	210
61424	18/24	41/34	8.1	20AWG	.560	.010	265
61433	18/33	41/34	7.2	20AWG	.615	.010	322
61449	18/49	41/34	6.3	20AWG	.875	.010	496
61465	18/65	41/34	6.3	20AWG	.980	.010	628
61502	20/2	26/34	13.5	22AWG	.235	.010	40
61506	20/6	26/34	10.8	22AWG	.290	.010	68
61509	20/9	26/34	9.5	22AWG	.360	.010	89
61512	20/12	26/34	6.8	22AWG	.375	.010	110
61518	20/18	26/34	6.8	22AWG	.430	.010	148
61524	20/24	26/34	6.0	22AWG	.495	.010	192
61526	20/26	26/34	6.0	22AWG	.500	.010	196
61602	24/2	19/36	8.0	24AWG	.210	.010	28
61604	24/4	19/36	6.4	24AWG	.225	.010	32
61606	24/6	19/36	6.4	24AWG	.255	.010	41
61609	24/9	19/36	5.6	24AWG	.300	.010	51

NOTES: (1) Ampacities are based on 30°C ambient and 90°C conductor temperature. These values are to be used as a guideline and may vary according to the actual cable application.

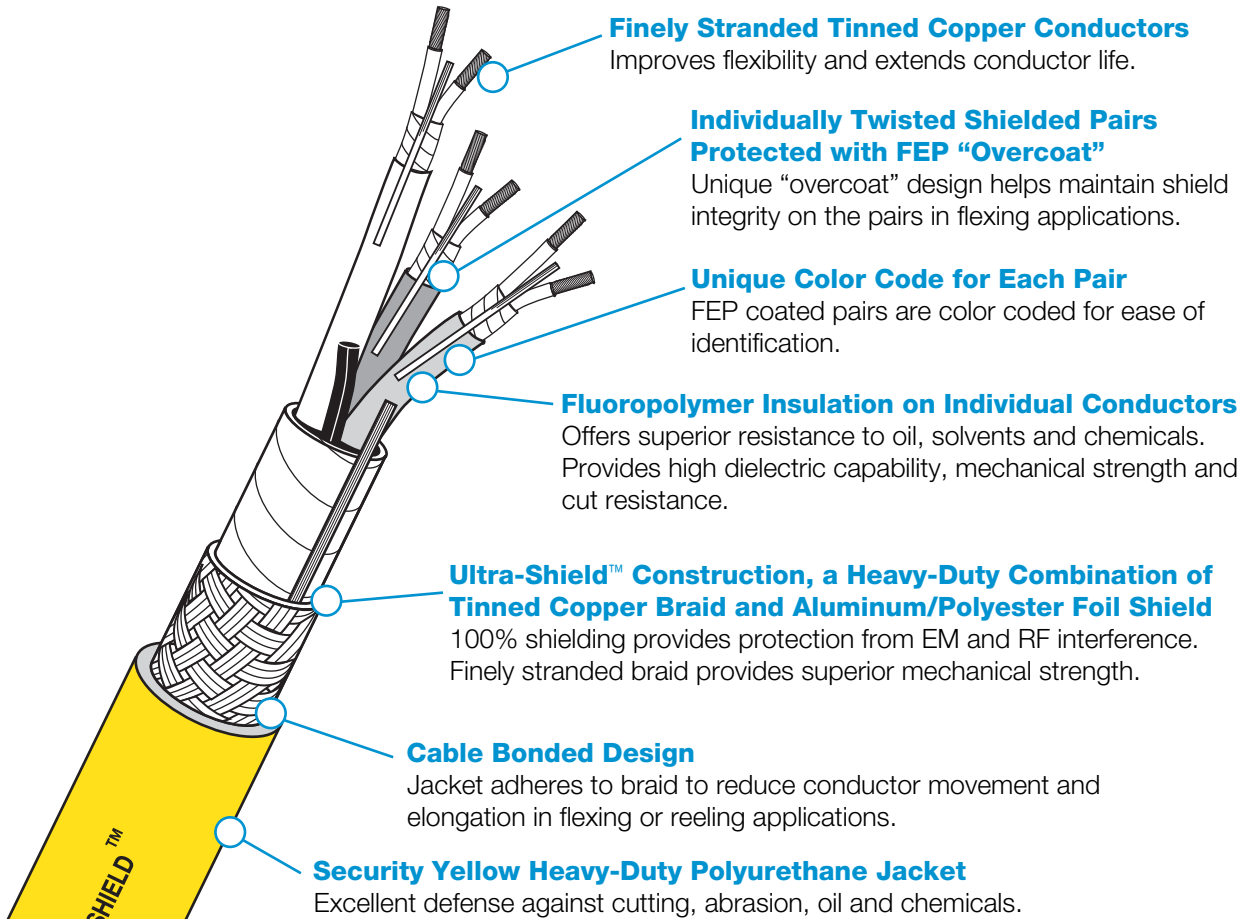
# TREX-ONICS® INDIVIDUALLY SHIELDED, MULTI-PAIR CONTROL CABLE



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

- Compact Design
- MSHA Approved

- 600 Volt
- RoHS Compliant



## ORDERING INFORMATION

PART NO.	CONDUCTOR SIZE (AWG)	NO. OF PAIRS	CONDUCTOR STRANDING	AMPACITY (1)	INSULATION THICKNESS (IN.)	INDIV. PAIRS DRAIN WIRE	OVERALL DRAIN WIRE	JACKET THICKNESS (IN.)	NOM O.D. (IN.)	WT. (LBS.) PER 1000'
68302	18	2	19/30	19.0	.010	23 AWG	22 AWG	.060	.440	110
68303	18	3	19/30	16.5	.010	27 AWG	22 AWG	.060	.490	142
68304	18	4	19/30	16.5	.010	27 AWG	22 AWG	.065	.540	163
68306	18	6	19/30	16.5	.010	27 AWG	22 AWG	.075	.650	245
68309	18	9	19/30	12.0	.010	27 AWG	22 AWG	.080	.790	320
68312	18	12	19/30	12.0	.010	27 AWG	22 AWG	.080	.840	405
68502	20	2	19/32	13.5	.010	22 AWG	22 AWG	.050	.405	74
68503	20	3	19/32	10.8	.010	22 AWG	22 AWG	.050	.430	92
68504	20	4	19/32	9.5	.010	22 AWG	22 AWG	.055	.465	118
68506	20	6	19/32	6.7	.010	22 AWG	22 AWG	.060	.555	161
68509	20	9	19/32	6.7	.010	22 AWG	22 AWG	.070	.700	247
68512	20	12	19/32	6.0	.010	22 AWG	22 AWG	.075	.715	264
68402	24	2	19/36	8.0	.010	27 AWG	26 AWG	.045	.330	62
68403	24	3	19/36	7.0	.010	27 AWG	26 AWG	.050	.360	79
68404	24	4	19/36	7.0	.010	27 AWG	26 AWG	.055	.385	86
68406	24	6	19/36	7.0	.010	27 AWG	26 AWG	.060	.470	126
68409	24	9	19/36	5.0	.010	27 AWG	26 AWG	.065	.570	160
68412	24	12	19/36	5.0	.010	27 AWG	26 AWG	.070	.600	215

NOTES: (1) Ampacities are based on 30° C ambient and 90° C conductor temperature. These values are to be used as a guideline and may vary according to the actual cable application.

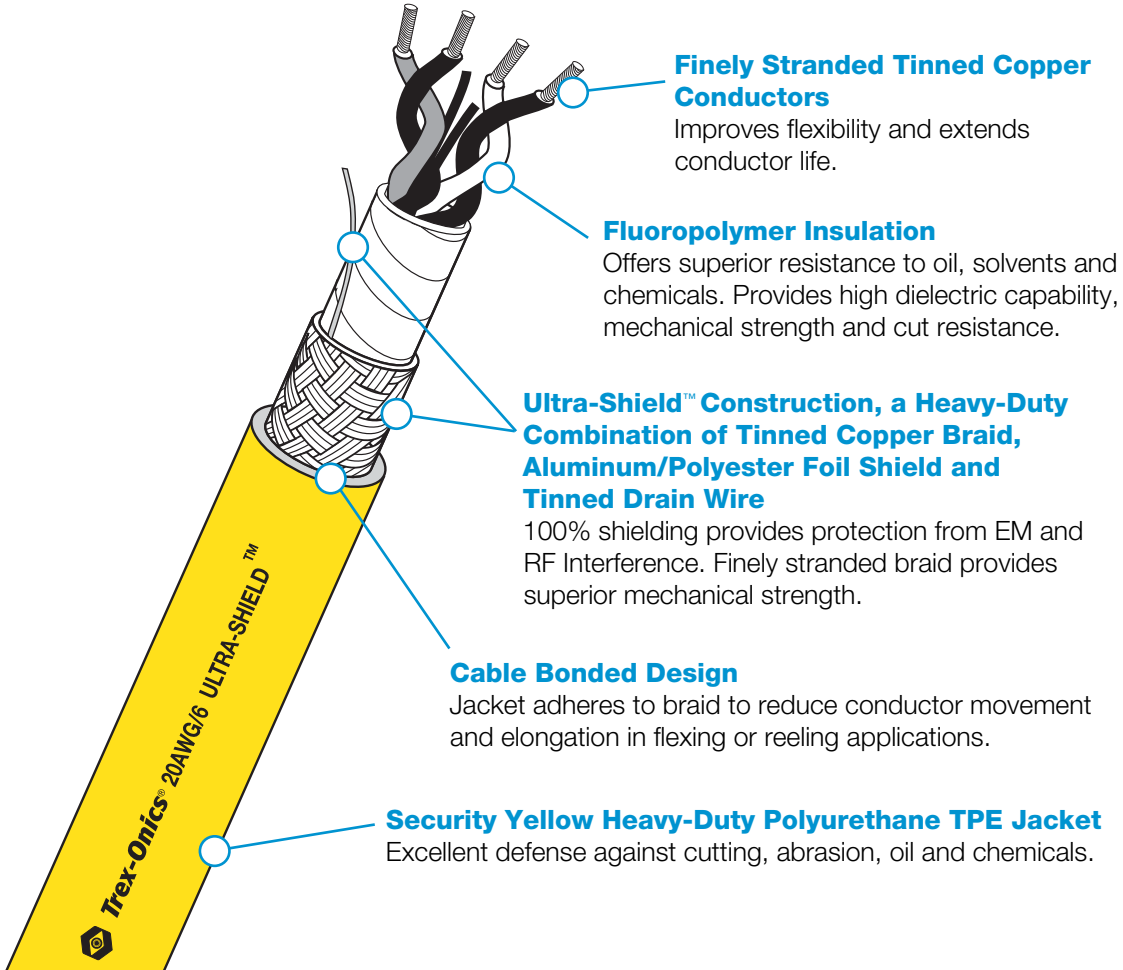
# MULTI-PAIR CONTROL CABLES



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

- 600 Volt
- Compact Design

- RoHS Compliant



## ORDERING INFORMATION

PART NO.	CONDUCTOR SIZE (AWG)	NO. OF PAIRS	CONDUCTOR STRANDING	AMPACITY (1)	INSULATION THICKNESS (IN.)	OVERALL DRAIN WIRE	JACKET THICKNESS (IN.)	NOM. O.D. (IN.)	WT. (LBS.) PER 1000'
66202	18	2	19/30	19.0	.010	22 AWG	.050	.380	88
66203	18	3	19/30	16.5	.010	22 AWG	.050	.380	93
66204	18	4	19/30	16.5	.010	22 AWG	.055	.420	110
66206	18	6	19/30	16.5	.010	22 AWG	.060	.510	175
66209	18	9	19/30	12.0	.010	22 AWG	.070	.600	240
66212	18	12	19/30	12.0	.010	22 AWG	.080	.670	298
66302	20	2	19/32	13.5	.010	22 AWG	.045	.335	66
66303	20	3	19/32	11.5	.010	22 AWG	.045	.335	70
66306	20	6	19/32	11.5	.010	22 AWG	.060	.450	130
66309	20	9	19/32	8.5	.010	22 AWG	.060	.520	172
66312	20	12	19/32	8.5	.010	22 AWG	.070	.600	225
66424	24	4	19/36	7.0	.010	26 AWG	.045	.305	53

NOTE: (1) Ampacities are based on 30° C ambient and 90° C conductor temperature. These values are to be used as a guideline and may vary according to the actual cable application.

# Variable Frequency Drive Shielded Power Cable



- UL
- cUL – 1000 Volt
- W TTC – 1000 volt
- TC-ER – 600 Volt

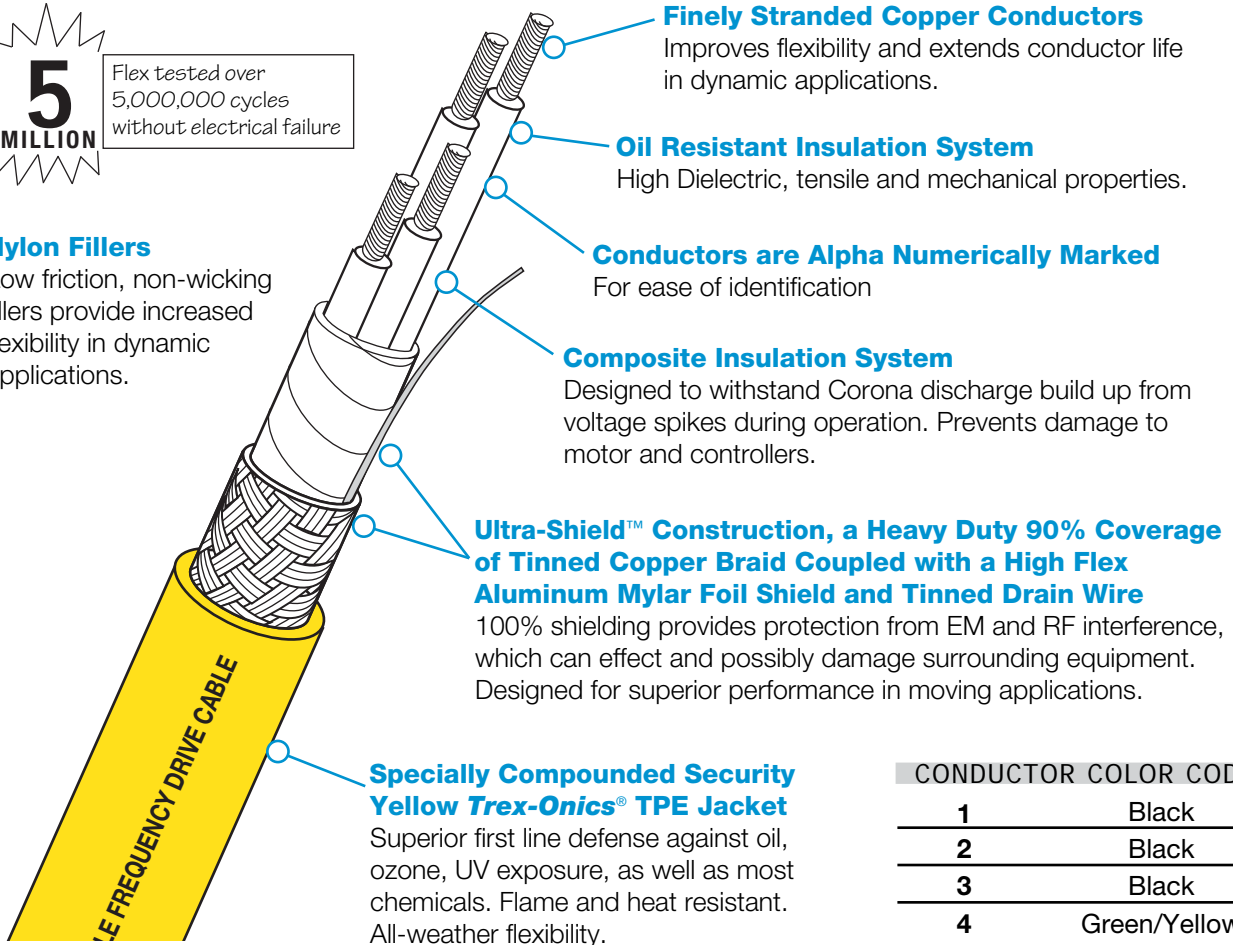
- Corona resistant to 2000 VAC
- CSA-FT-4
- RoHS Compliant
- 90°C

**5**  
MILLION

Flex tested over  
5,000,000 cycles  
without electrical failure

### Nylon Fillers

Low friction, non-wicking fillers provide increased flexibility in dynamic applications.



### Finely Stranded Copper Conductors

Improves flexibility and extends conductor life in dynamic applications.

### Oil Resistant Insulation System

High Dielectric, tensile and mechanical properties.

### Conductors are Alpha Numerically Marked

For ease of identification

### Composite Insulation System

Designed to withstand Corona discharge build up from voltage spikes during operation. Prevents damage to motor and controllers.

### Ultra-Shield™ Construction, a Heavy Duty 90% Coverage of Tinned Copper Braid Coupled with a High Flex Aluminum Mylar Foil Shield and Tinned Drain Wire

100% shielding provides protection from EM and RF interference, which can effect and possibly damage surrounding equipment. Designed for superior performance in moving applications.

### Specially Compounded Security Yellow Trex-Onics® TPE Jacket

Superior first line defense against oil, ozone, UV exposure, as well as most chemicals. Flame and heat resistant. All-weather flexibility.

### CONDUCTOR COLOR CODE

1	Black
2	Black
3	Black
4	Green/Yellow

## ORDERING INFORMATION

PART NO.	CABLE SIZE AWG/COND	STRANDING	AMPACITY	NOMINAL O.D. (IN.)	WEIGHT (LBS./1000')
60040	16/4	65 x 30	17	.569	69
60041	14/4	105 x 30	25	.645	192
60042	12/4	168 x 30	30	.730	230
60043	10/4	229 x 30	40	.780	302
60044	8/4	413 x 30	55	.945	498
60045	6/4	665 x 30	75	1.08	714
60046	4/4	413 x 30	95	1.16	1035

## APPLICATIONS

AC Variable Frequency Drives are the newest design in servo motor technology that in many cases are replacing the older DC servo drive motors. The new AC drive technology reduces the size and increases the efficiency of the motor while improving control over the motor speed and torque. These motors are controlled utilizing Pulse Width Modulation (PWM), a method by which the frequency of the AC voltage going to the motor is used to control the motor speed. One of the major issues with these types of systems is that the PWM control systems causes more EMI to be radiated by the inverter to motor power cable. With today's faster switching, the electrical energy flowing through the cable contains frequencies up to 3000Hz. The EMI emitted by the power cable can induce cross-talk on adjacent cables, which can lead to failure or malfunction of nearby electronic equipment, and the more automated the facility, the greater the risk of problems. For this reason, TPC has designed a high performance VFD cable suitable for industrial applications.

# Variable Frequency Drive Shielded Power Cable with Brake & Signal Pairs



- UL
- cUL – 1000 Volt
- WTTC – 1000 volt
- TC-ER – 600 Volt

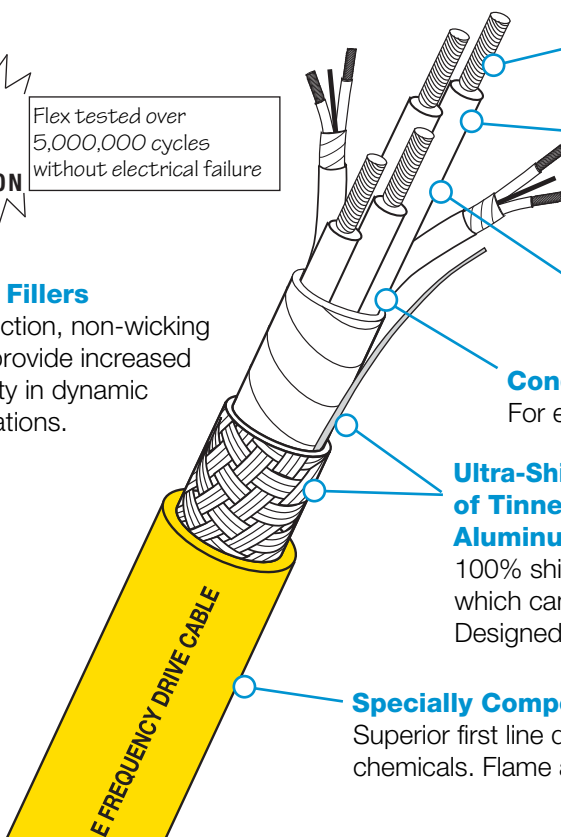
- Corona resistant to 2000 VAC
- CSA-FT-4
- RoHS Compliant
- 90°C

**5**  
MILLION

Flex tested over  
5,000,000 cycles  
without electrical failure

### Nylon Fillers

Low friction, non-wicking fillers provide increased flexibility in dynamic applications.



### Finely Stranded Copper Conductors

Improves flexibility and extends conductor life in dynamic applications.

### Composite Insulation System

Designed to withstand Corona discharge build up from voltage spikes during operation. Prevents damage to motor and controllers.

### Oil Resistant Insulation System

High Dielectric, tensile and mechanical properties.

### Conductors and Pairs are Alpha Numerically Marked

For ease of identification

### Ultra-Shield™ Construction, a Heavy Duty 90% Coverage of Tinned Copper Braid Coupled with a High Flex Aluminum Mylar Foil Shield and Tinned Drain Wire

100% shielding provides protection from EM and RF interference, which can effect and possibly damage surrounding equipment. Designed for superior performance in moving applications.

### Specially Compounded Security Yellow Trex-Onics® TPE Jacket

Superior first line defense against oil, ozone, UV exposure, as well as most chemicals. Flame and heat resistant. All-weather flexibility.

## ORDERING INFORMATION

	PART NO.		POWER COND.			16 AWG BRAKE & SIGNAL PAIRS		DRAIN WIRES	JACKET THICKNESS	NOM. O.D.	CABLE WT. (LBS.) per 1,000 ft.
	YELLOW	ORANGE	AWG/COND.	STRANDING	AMPACITY	NO. OF PAIRS	STRANDING				
SINGLE PAIR	60021*	—	14/4	41x30	25	1 pr	26x30	18	0.063	0.620	215
	60023	—	12/4	65x30	30	1 pr	26x30	18	0.063	0.660	310
	60025	—	10/4	105x30	40	1 pr	26x30	18	0.073	0.760	420
	60026	—	8/4	168x30	55	1 pr	26x30	18	0.083	0.940	650
	60027*	—	6/4	266x30	75	1 pr	26x30	18	0.083	1.050	950
TWO PAIR	60028*	—	14/4	41x30	25	2 pr	26x30	18	0.063	0.680	280
	60029	60029F	12/4	65x30	30	2 pr	26x30	18	0.073	0.760	395
	60030	—	10/4	105x30	40	2 pr	26x30	18	0.085	0.850	505
	60031	60031F	8/4	168x30	55	2 pr	26x30	18	0.085	0.999	800
	60032*	—	6/4	266x30	75	2 pr	26x30	18	0.090	1.100	1175
			CONDUCTOR COLOR CODE			Pairs identified alpha numerically – BLACK with WHITE print Pair #1 = 5+6 Pair #2 = 7+8					
			1	Black							
			2	Black							
			3	Black							
			4	Green/Yellow							

\* Check for availability



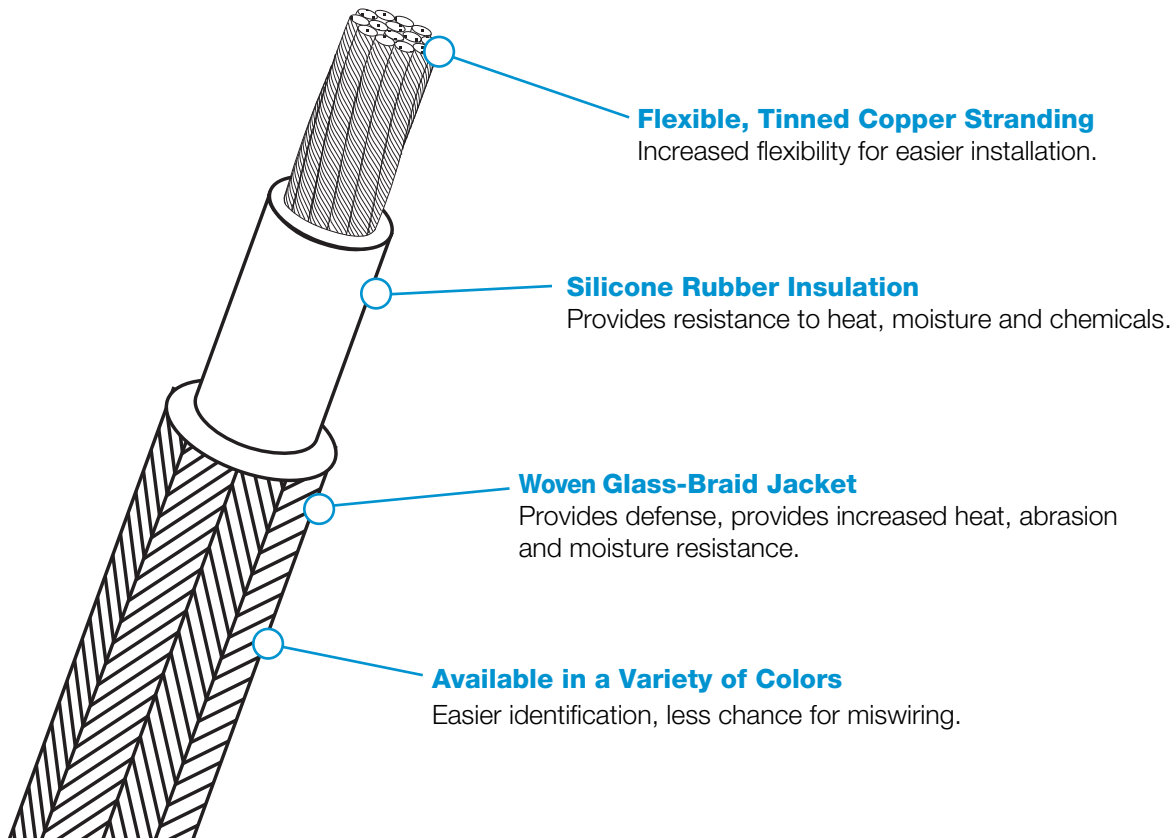
# THERMO-TREX<sup>®</sup> 500



- 600 Volt
- UL Recognized
- CSA Certified

- Extreme Temperatures up to 775°F
- RoHS Compliant

- Continuous Temperatures up to 392°F



## ORDERING INFORMATION

PART NO. BLACK	PART NO. WHITE	PART NO. RED	CONDUCTOR		AMPACITY (1)	NOMINAL O.D. (IN.)	WEIGHT (LBS.) PER 1000'
			SIZE (AWG)	CONDUCTOR STRANDING			
41001	41002	41003	18	16/30	27	.121	12.5
41004	41005	41006	16	26/30	37	.131	16.0
41007	41008	41009	14	41/30	51	.147	22.0
41010	41011	41012	12	65/30	66	.166	31.5
41013	41014	41015	10	105/30	90	.226	51.0
41016	41017	41018	8	133/29	125	.314	89.0
41019	41020**	41021**	6	133/27	167	.357	128.5
41022	41023**	41024**	4	133/25	226	.411	187.5
41025	41026**	41027**	2	133/23	305	.500	273.0
41028	41029**	41030**	1	259/25	362	.560	362.0
41031	41032**	41033**	1/0	259/24	422	.625	442.0
41034	41035**	41036**	2/0	259/23	492	.669	554.0
41037	41038**	41039**	3/0	259/22	574	.710	674.0
41040	41041**	41042**	4/0	259/21	671	.820	829.0

NOTES: (1) 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

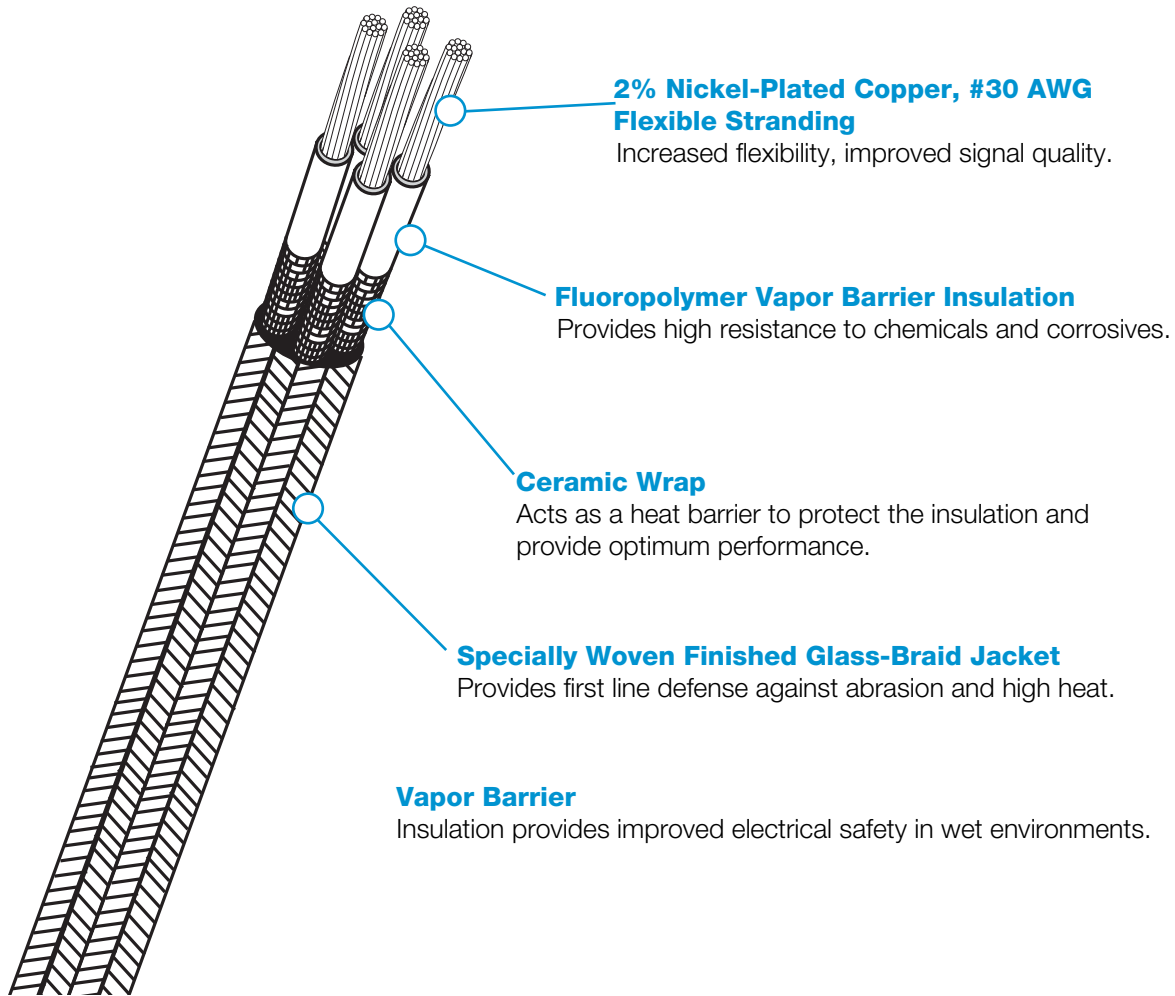
# THERMO-TREX<sup>®</sup> 850



- 600 Volt
- UL Recognized
- CSA Certified

- Extreme Temperatures up to 850°F
- RoHS Compliant

- Continuous Temperatures up to 500°F



## ORDERING INFORMATION

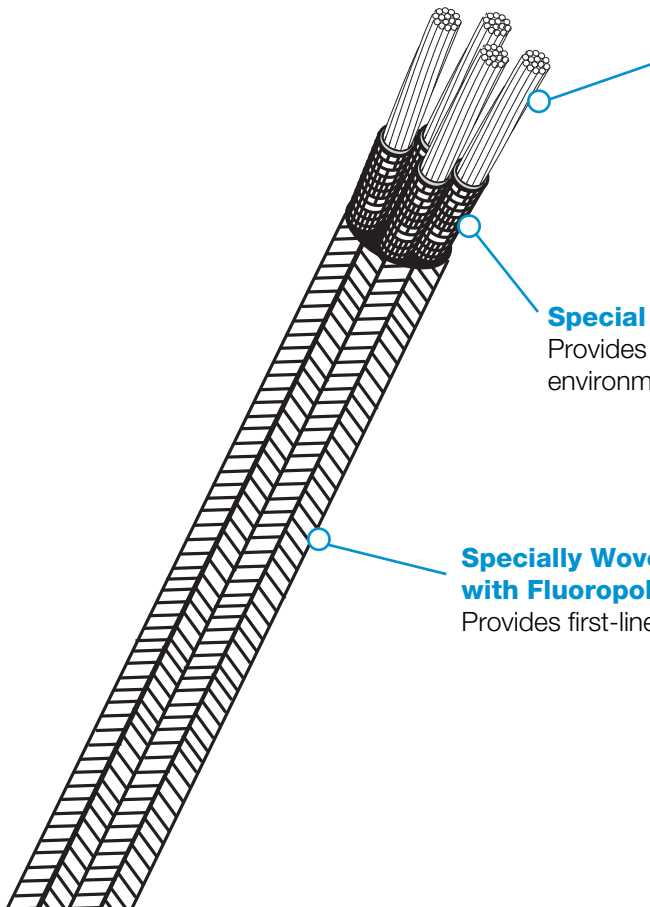
PART NO.	CONDUCTOR SIZE (AWG)	CONDUCTOR STRANDING	AMPACITY (1)	NOMINAL O.D. (IN.)	WEIGHT (LBS.) PER 1000'
41062	18	16/30	27	.110	13
41065	16	26/30	37	.120	18
41068	14	41/30	51	.140	24
41071	12	65/30	66	.160	34
41074	10	105/30	90	.185	51
41084	16/4	26/30	16	.332	84
41087	16/12	26/30	10	.566	224
41089	12/4	65/30	22	.423	158

NOTES: (1) 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.

# THERMO-TREX<sup>®</sup> 2000

- 600 Volt
- Extreme Temperatures up to 2000°F

- RoHS Compliant
- Continuous Temperatures up to 850°F



### 27% Nickel-Plated Copper Stranding

Long life in high-heat, improved signal quality. Increases flexibility, provides longer cable life.

### Special Mica/Glass Multiple Layered Insulation

Provides long-term durability in the harshest industrial environments. Highly resistant to heat.

### Specially Woven Glass-Braid Jacket, Impregnated with Fluoropolymer Finishing Compounds

Provides first-line defense against abrasion and high heat.

## ORDERING INFORMATION

PART NO.	CONDUCTOR SIZE (AWG)	CONDUCTOR STRANDING	AMPACITY (1)	NOMINAL O.D. (IN.)	WEIGHT (LBS.) PER 1000'
41103	22	7/30	11	.080	4.62
41106	20	10/30	21	.090	7.52
41109	18	16/30	28	.100	9.77
41112	16	26/30	38	.110	11.87
41115	14	41/30	51	.120	17.12
41118	12	65/30	70	.142	25.94
41121	10	105/30	95	.164	41.58
41124	8	133/29	130	.230	69.30
41127	6	133/27	177	.264	102.90
41134	16/4	19/.0117	13	.317	77
41139	12/4	37/.0133	23	.388	142

NOTE: (1) Ampacities are based on a single conductor in free air, 40°C (104°F) ambient, 450°C (842°F) conductor temperature. Ampacity ratings for Thermo-Trex high temperature wire are significantly higher than normal insulated wire because the insulating materials used in Thermo-Trex can withstand much higher conductor temperatures without breaking down.

# THERMO-TREX<sup>®</sup> 2800

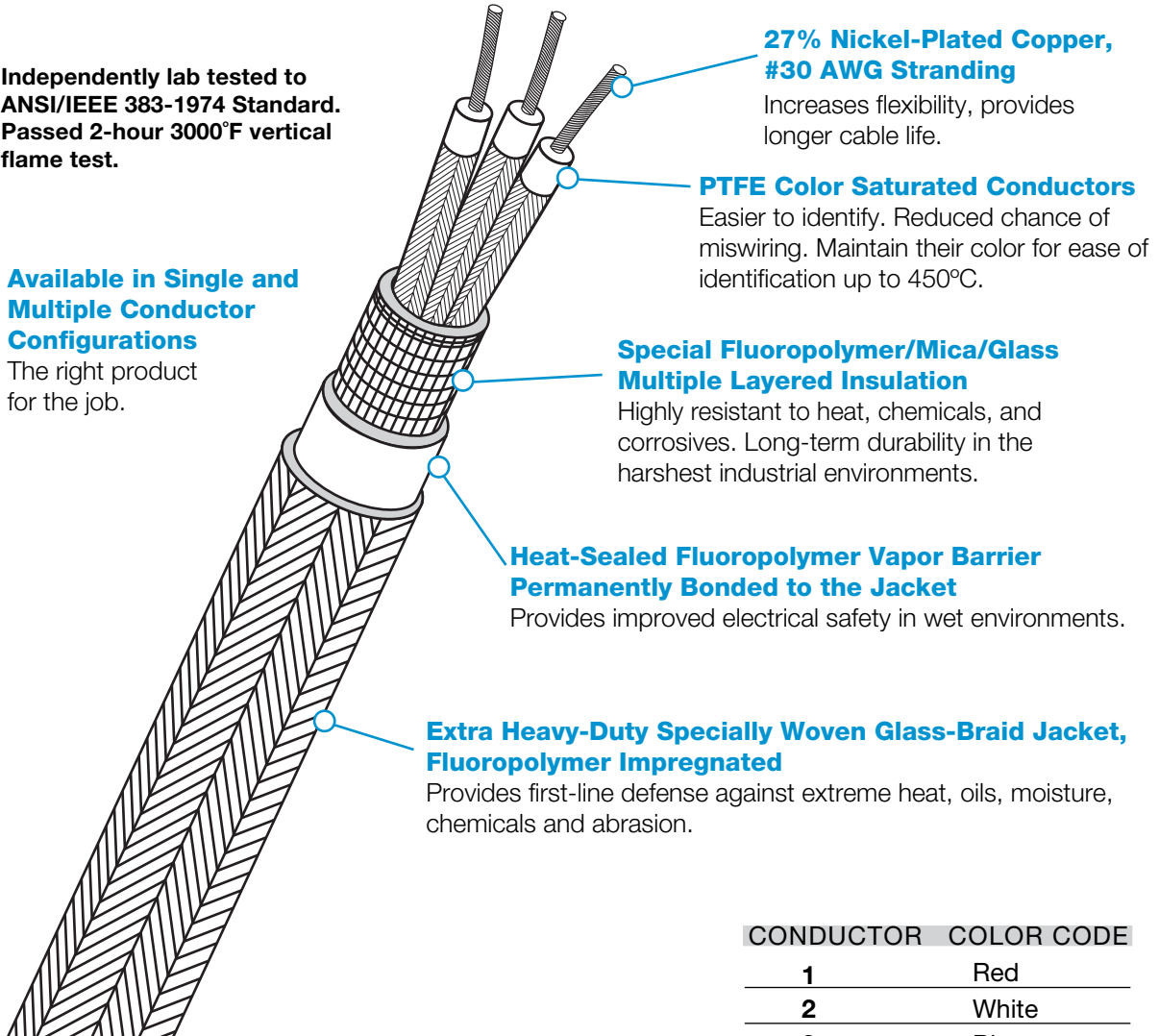
- 600 Volt
- Extreme Temperatures up to 3000°F

- RoHS Compliant
- Continuous Temperatures up to 1000°F

Independently lab tested to ANSI/IEEE 383-1974 Standard. Passed 2-hour 3000°F vertical flame test.

### Available in Single and Multiple Conductor Configurations

The right product for the job.



### 27% Nickel-Plated Copper, #30 AWG Stranding

Increases flexibility, provides longer cable life.

### PTFE Color Saturated Conductors

Easier to identify. Reduced chance of miswiring. Maintain their color for ease of identification up to 450°C.

### Special Fluoropolymer/Mica/Glass Multiple Layered Insulation

Highly resistant to heat, chemicals, and corrosives. Long-term durability in the harshest industrial environments.

### Heat-Sealed Fluoropolymer Vapor Barrier Permanently Bonded to the Jacket

Provides improved electrical safety in wet environments.

### Extra Heavy-Duty Specially Woven Glass-Braid Jacket, Fluoropolymer Impregnated

Provides first-line defense against extreme heat, oils, moisture, chemicals and abrasion.

CONDUCTOR	COLOR CODE
1	Red
2	White
3	Blue
4	Green

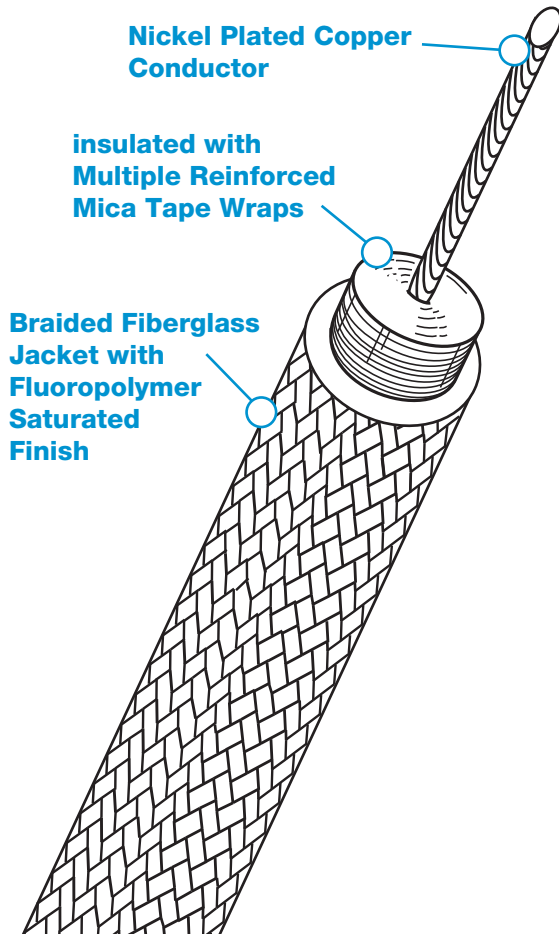
## ORDERING INFORMATION

PART NO.	CONDUCTOR SIZE (AWG)	CONDUCTOR STRANDING	AMPACITY (1)	NOMINAL O.D. (IN.)	WEIGHT (LBS.) PER 1000'
41213	16/3	26/30	25	.347	93
41215	12/4	65/30	42	.430	166
41204	14	41/30	51	.190	30
41205	12	65/30	70	.208	42
41206	10	105/30	95	.254	63

NOTE: (1) Ampacity is based on a single conductor in free air, 40°C (104°F) ambient, 450°C (842°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.

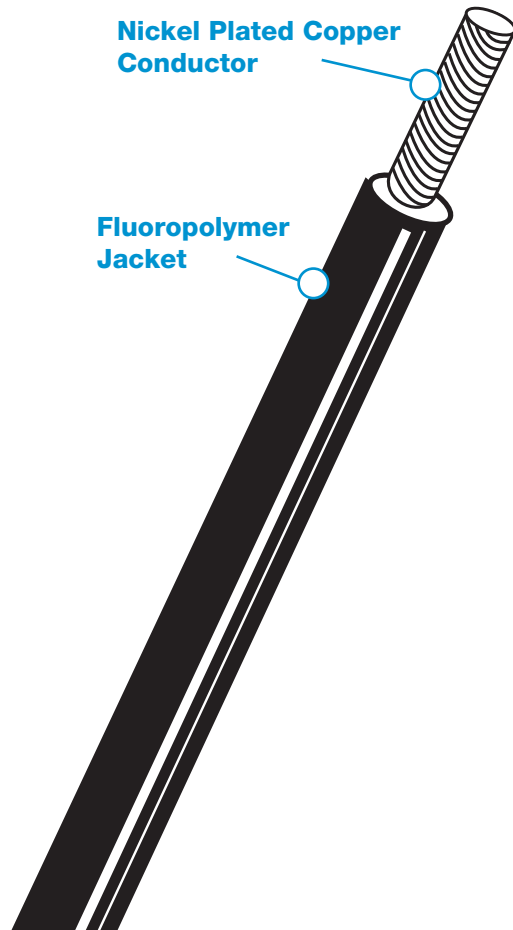
# IGNITER WIRE

• RoHS Compliant



## 40100 SPECIFICATIONS

An 18 AWG single conductor igniter wire with a mica tape-wrap insulation system. The product is made with nickel plated copper conductors and is UL rated to 1000°F/538°C and 15KVDC/15KVAC peak pulse.



## 40200 SPECIFICATIONS

An 18 AWG single conductor igniter wire with a fluoropolymer jacket. The product also has nickel plated copper conductors and is UL rated to 250°C/482°F, and 25KVDC. It has also been used in non-UL rated applications up to 260°C/50KVDC/15KVAC.

## ORDERING INFORMATION

PART NO.	AWG SIZE	VOLTAGE	JACKET	TEMPERATURE	NOMINAL O.D.	WT. (LBS.) PER 1,000'
40100	18	15KVDC/15KVAC Peak Pulse	Black (Fiberglass Braid)	1000°F/ 538°C	.339	50.13
40200	18	25KVDC	Black (Fluoropolymer)	482°F/250°C	.098	41.00

# TPC SOOW PORTABLE CORD

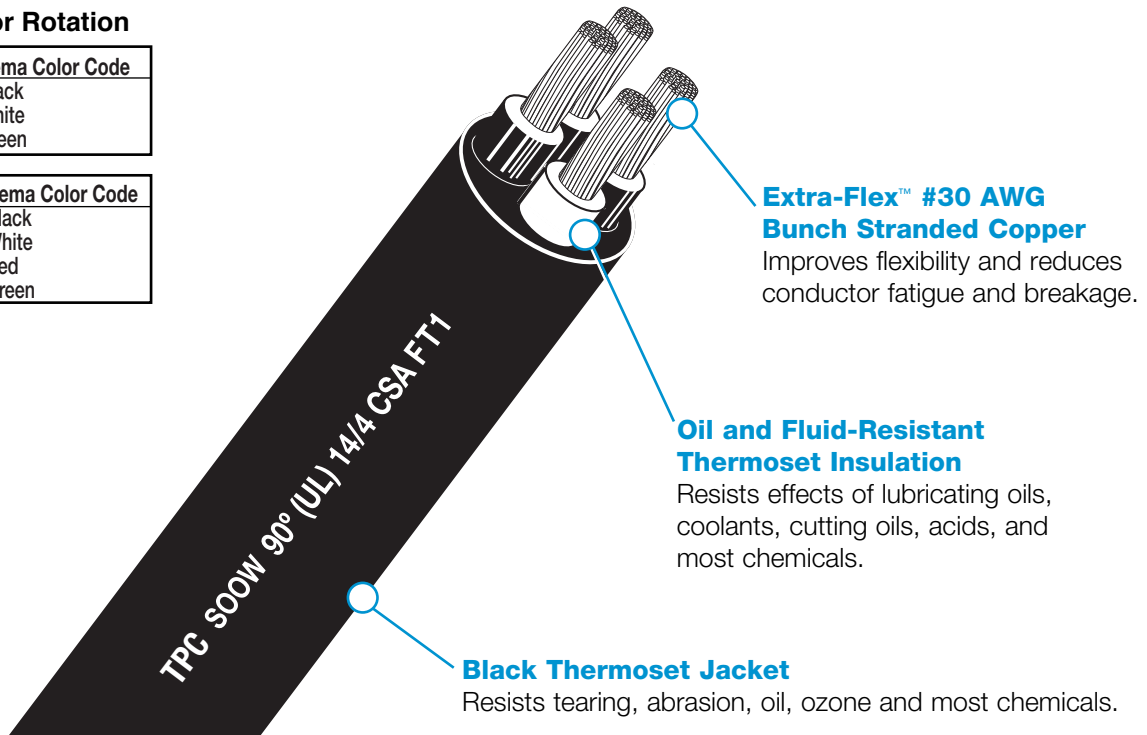


- UL Listed
- CSA Certified
- FT-1
- 600 Volt
- SOOW Rated
- 90°C to -40°C
- UV Resistant
- Extra Hard Usage
- RoHS Compliant

## Portable Cord and Color Rotation

Rotation	Nema Color Code
1	Black
2	White
3	Green

Rotation	Nema Color Code
1	Black
2	White
3	Red
4	Green



## 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'
77193	16/3	26 x 30	13	.027	.060	.389	105
77198	16/4	26 x 30	10	.027	.060	.414	120
77194	14/3	41 x 30	18	.040	.080	.525	180
77199	14/4	41 x 30	15	.040	.080	.565	210
77195	12/3	65 x 30	25	.040	.095	.595	235
77200	12/4	65 x 30	20	.040	.095	.645	290

NOTES: (1) Allowable ampacity per conductor for flexible cords and cables, based on ambient temperature of 30° C, and conductor temperature of 90° C. NEC 2008 Table 400.5(A).

# TYPE TC-ER STANDARD FLEX CABLE



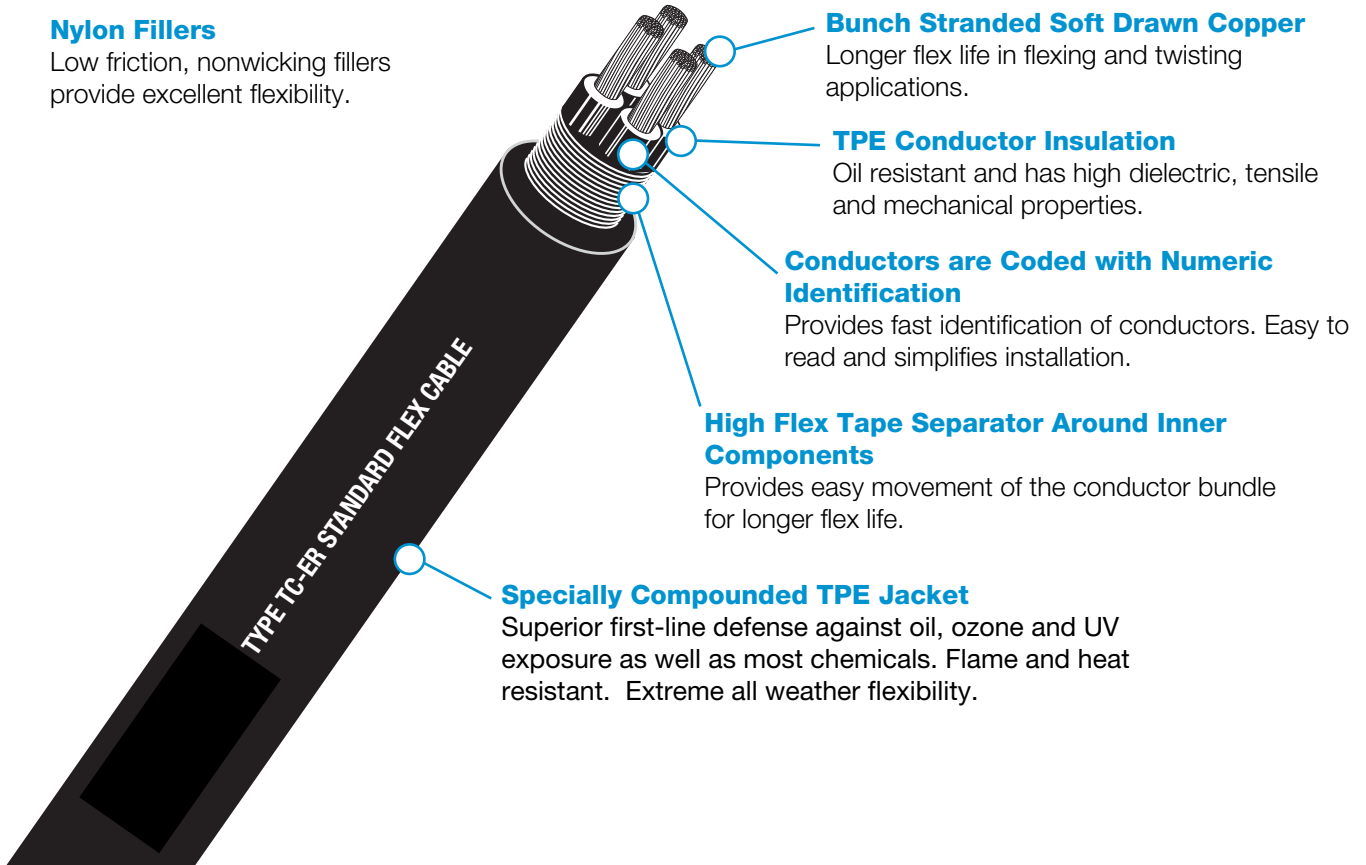
- UL Listed
- CUL

- Type TC-ER – 600 Volt
- Type WTTC – 1000 Volt

- Sunlight Resistant
- FT4
- Rated 90°C

## Nylon Fillers

Low friction, nonwicking fillers provide excellent flexibility.



**Bunch Stranded Soft Drawn Copper**  
Longer flex life in flexing and twisting applications.

**TPE Conductor Insulation**  
Oil resistant and has high dielectric, tensile and mechanical properties.

**Conductors are Coded with Numeric Identification**  
Provides fast identification of conductors. Easy to read and simplifies installation.

**High Flex Tape Separator Around Inner Components**  
Provides easy movement of the conductor bundle for longer flex life.

**Specially Compounded TPE Jacket**  
Superior first-line defense against oil, ozone and UV exposure as well as most chemicals. Flame and heat resistant. Extreme all weather flexibility.

## ORDERING INFORMATION

PART NUMBER	CABLE SIZE AWG/COND.	CONDUCTOR STRANDING	AMPACITY (1)	INSULATION THICKNESS (Inches)	JACKET THICKNESS (Inches)	NOMINAL O.D. (Inches)	CABLE WT. (LBS.) PER 1000'
76201	10/4	105/30	40	.016	.070	.532	227
76200	12/4	65/30	30	.016	.070	.500	137
76199	14/4	41/30	25	.016	.070	.400	104
76198	16/4	26/30	18	.016	.070	.365	80

NOTES: (1) Allowable ampacity per conductor for flexible cords and cables, based on ambient temperature of 30° C, and conductor temperature of 90° C. NEC 2008 Table 310.16.

ROTATION	COLOR CODE
1	Black-1
2	Black-2
3	Black-3
4	Green/Yellow

# STANDARD FLEX POWER CABLE



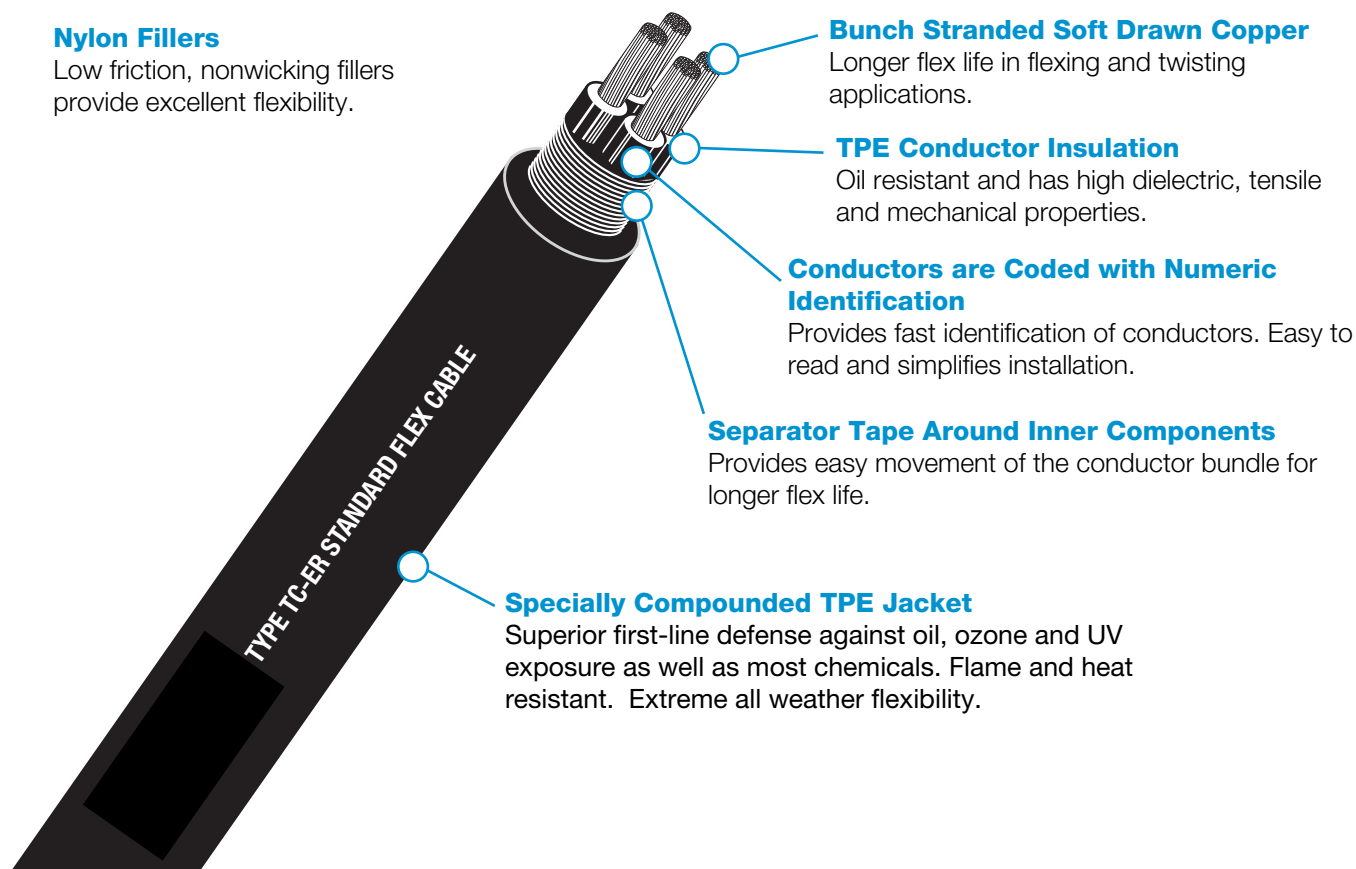
- UL Listed
- CUL

- Type TC-ER – 600 Volt
- Type WTTC – 1000 Volt

- Sunlight Resistant
- FT4
- Rated 90°C

## Nylon Fillers

Low friction, nonwicking fillers provide excellent flexibility.



## Bunch Stranded Soft Drawn Copper

Longer flex life in flexing and twisting applications.

## TPE Conductor Insulation

Oil resistant and has high dielectric, tensile and mechanical properties.

## Conductors are Coded with Numeric Identification

Provides fast identification of conductors. Easy to read and simplifies installation.

## Separator Tape Around Inner Components

Provides easy movement of the conductor bundle for longer flex life.

## Specially Compounded TPE Jacket

Superior first-line defense against oil, ozone and UV exposure as well as most chemicals. Flame and heat resistant. Extreme all weather flexibility.

## ORDERING INFORMATION

PART NUMBER	CABLE SIZE AWG/COND.	CONDUCTOR STRANDING	AMPACITY (1)	INSULATION THICKNESS (Inches)	JACKET THICKNESS (Inches)	NOMINAL O.D. (Inches)	CABLE WT. (LBS.) PER 1000'
61806	6/4	266/30	75	.016	.065	.82	478
61808	4/4	413/30	95	.016	.080	1.00	715
61810	2/4	665/30	130	.016	.080	1.25	1220
61803	2/3	665/30	130	.016	.080	1.160	1007

NOTES: (1) Allowable ampacity per conductor for flexible cords and cables, based on ambient temperature of 30° C, and conductor temperature of 90° C. NEC 2008 Table 310.16.

ROTATION	COLOR CODE
1	Black-1
2	Black-2
3	Black-3
4	Green/Yellow

ROTATION	COLOR CODE
1	Black-1
2	Black-2
3	Green/Yellow

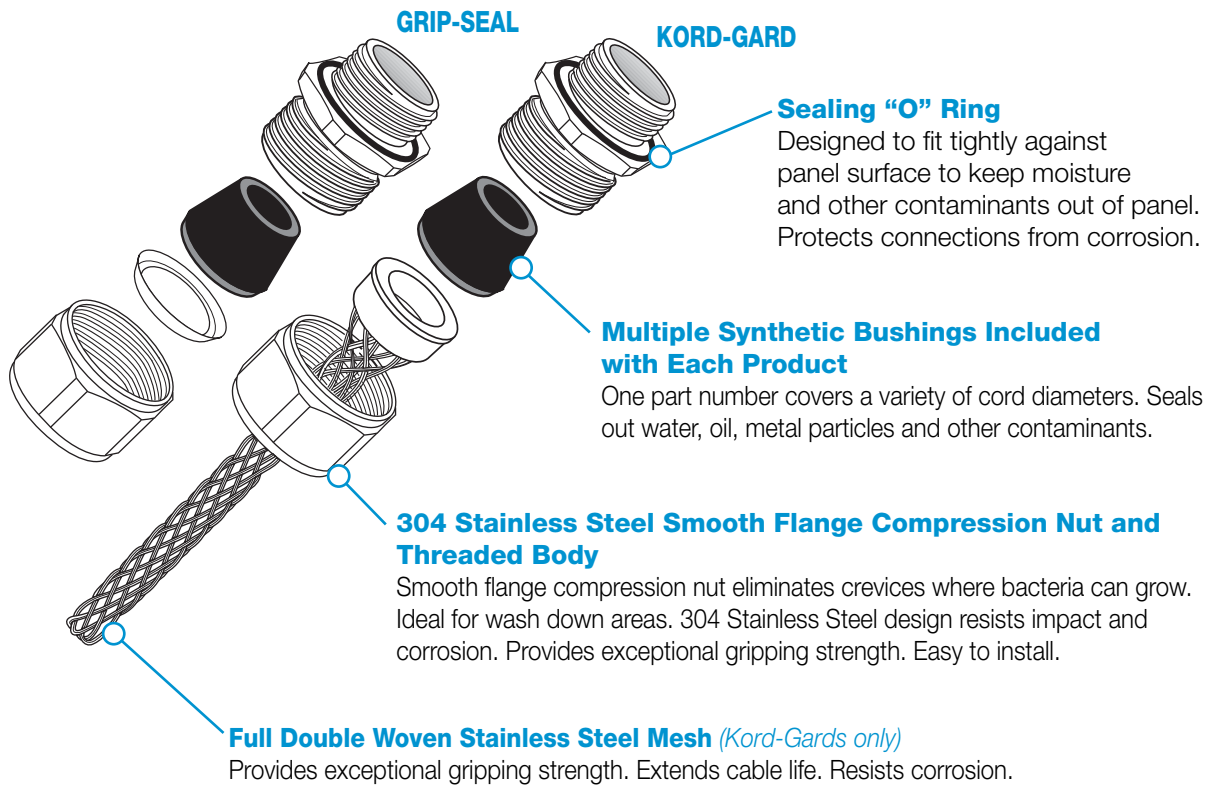


# NEW

## STAINLESS STEEL GRIP-SEALS™ and KORD-GARDS™



- UL Listed
- CSA Certified
- IP68/NEMA 4x
- Liquid Tight Seal
- 304 Stainless Steel
- RoHS Compliant
- Corrosion Resistant
- Sealing O-Ring



### ORDERING INFORMATION

	Part Number	Cord Diameter Range	Knock-Out or Fitting Size	Number of Bushings	Knock-Out Drill Size
<b>GRIP-SEALS</b>	55505SS	.180" - .430"	3/8"	4	11/16"
	55513SS	.188" - .500"	1/2"	5	7/8"
	55515SS	.312" - .625"	1/2"	5	7/8"
	55516SS	.188" - .625"	1/2"	7	7/8"
	55530SS	.560" - .750"	3/4"	2	1-1/8"
<b>KORD-GARDS</b>	55310SS	.180" - .310"	3/8"	2	11/16"
	55311SS	.310" - .440"	3/8"	2	11/16"
	55320SS	.370" - .500"	1/2"	2	7/8"
	55321SS	.500" - .570"	1/2"	2	7/8"
	55330SS	.560" - .690"	3/4"	1	1-1/8"

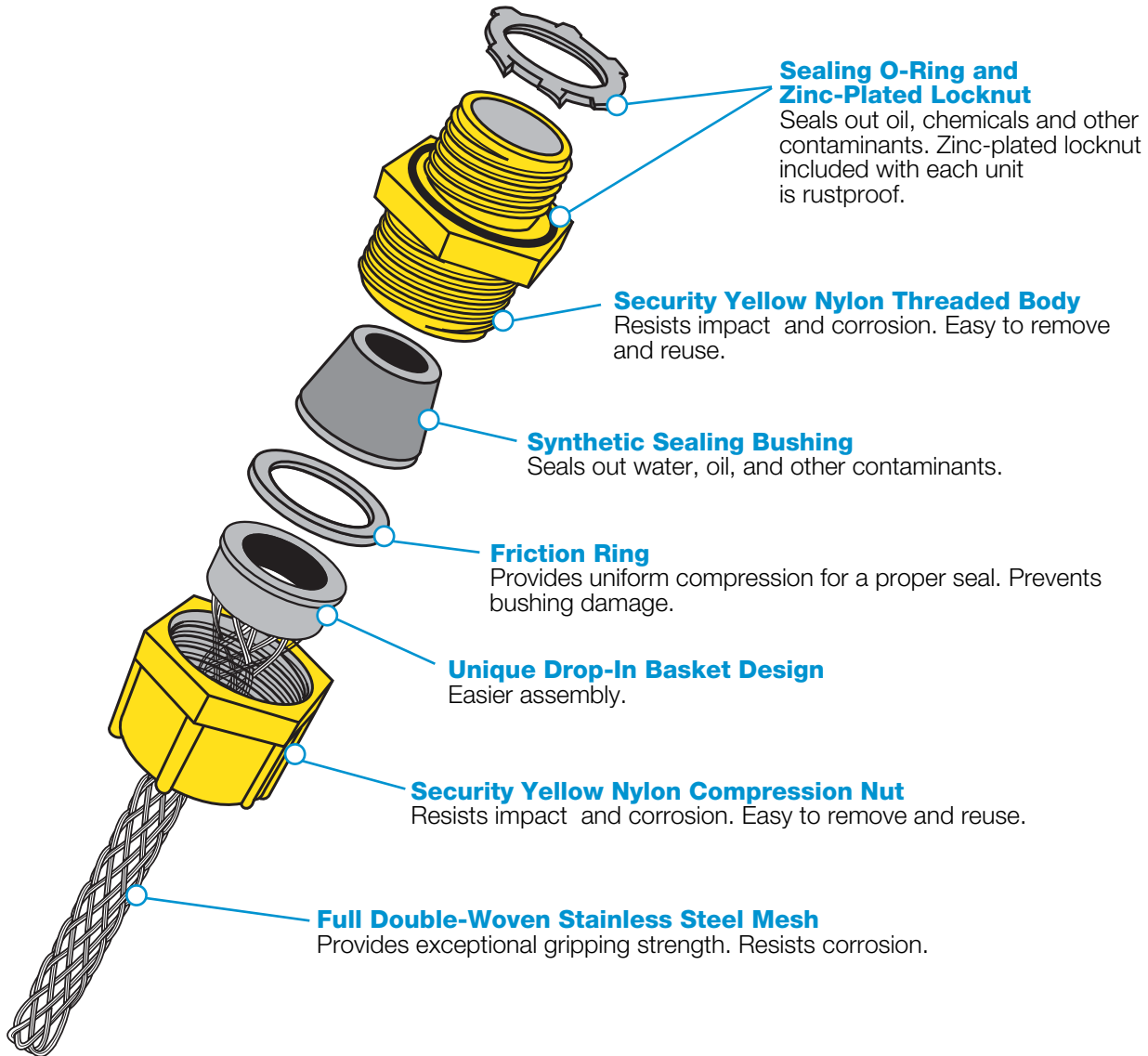
# Nylon Kord-Gard™ Mesh Cord Grips



- UL Listed
- CSA Certified

- Extra Hard Duty Strain Relief

- Corrosion Resistant
- RoHS Compliant



## ORDERING INFORMATION

NYLON KORD-GARD PART NO.	CORD O.D. RANGE INCHES	KNOCK-OUT OR FITTING SIZE	NUMBER OF GROMMETS	KNOCK-OUT DRILL SIZE
55310	.18"-.31"	3/8" NPT	2	11/16"
55311	.31"-.44"	3/8" NPT	2	11/16"
55320	.37"-.50"	1/2" NPT	2	7/8"
55321	.50"-.57"	1/2" NPT	2	7/8"
55330	.56"-.69"	3/4" NPT	1	1-1/8"

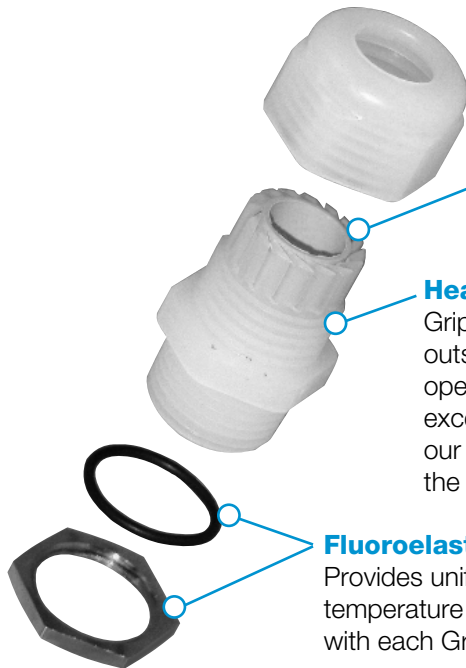
# Heat & Chemical Resistant Straight Grip-Seal



- UL Listed
- CSA Certified
- Corrosion Resistant

- High Temperature (150°C)
- RoHS Compliant

- Strain Relief
- Liquid Tight Seal



## Temperature Rating

-35° C to 150° C operation (-31° F to 302° F)

## Fluoroelastomer Form Seal

Ensures a strong, uniform seal around the cord surface and will withstand high temperature conditions.

## Heat & Chemical Resistant

Grip-Seals are made of PVDF (Polyvinylidene Difluoride) which provides outstanding temperature and chemical resistance. These Grip-Seals operate up to 150° C, resists impact and corrosion, and provide exceptional gripping strength. It is an ideal accessory for use with our Chem-Gard™ product line. Each Grip-Seal package includes the grip-seal body, O-ring and locking nut.

## Fluoroelastomer O-Ring and Nickel-Plated Brass Locking Nut

Provides uniform compression for a proper seal and withstands high temperature conditions. The nickel-plated brass locking nut included with each Grip-Seal will resist corrosion.

## C H E M I C A L   R E S I S T A N C E

Acetic Acid, 5%..... R	Gasoline..... R	Pentane ..... R	Ethers .....L
Acetonitrile..... R	Glycerol ..... R	Perchloric Acid ..... R	Methyl Ethyl Ketone (MEK) ....L
Amyl Acetate ..... R	Hexane ..... R	Petroleum Base Oils..... R	Methyl Isobutyl Ketone .....L
Amyl Alcohol ..... R	Hydrobromic Acid (50%)..... R	Phenol (0.5%)..... R	Nitrobenzene .....L
Benzaldehyde..... R	Hydrochloric Acid..... R	Phosphoric Acid (95%) ..... R	Perchloroethylene.....L
Benzyl Alcohol..... R	Hydrogen Peroxide, 30%..... R	Propane.....R	Tetrahydrofuran .....L
Boric Acid..... R	Hydrogen Sulphide..... R	Silicone Oils..... R	Acetone ..... N
Bromine ..... R	Hypochlorites ..... R	Sodium Hydroxide..... R	Ammonia ..... N
Butyl Alcohol ..... R	Isobutyl Alcohol..... R	Sodium Peroxide..... R	Ammonium Hydroxide..... N
Calcium Chloride..... R	Isopropyl Acetate ..... R	Sodium Silicate ..... R	Diethyl Acetamide ..... N
Carbon Tetrachloride..... R	Isopropyl Alcohol..... R	Sulphates (Na, K, Mg, Ca)..... R	Dioxane ..... N
Cyclohexanone..... R	Kerosene ..... R	Sulphur.....R	Ethyl Acetate ..... N
Ethyl Alcohol..... R	Methanol..... R	Trichloroethylene ..... R	Hydrofluoric Acid..... N
Ethylene Glycol..... R	Nitric acid (50%)..... R	Trichloroethane ..... R	Methylene Chloride ..... N
Formaldehyde..... R	Oils, Diesel..... R	Water ..... R	Sulfuric Acid ..... N
Formic Acid..... R	Oils, Lubricating ..... R	Benzene.....L	Toluene..... N
Freon TF ..... R	Ozone ..... R	Chloroform.....L	Xylene..... N

R = Resistant   L = Limited Resistance (testing before use recommended)   N = Not Recommended

## O R D E R I N G   I N F O R M A T I O N

PART NO.	THREAD SIZE	CORD DIAMETER RANGE	KNOCK OUT DRILL SIZE
55725	1/4" NPT	0.08" – 0.20"	1/2"
55738	3/8" NPT	0.08" – 0.24"	11/16"
55739	3/8" NPT	0.16" – 0.31"	11/16"
55750	1/2" NPT	0.24" – 0.47"	7/8"

# TOOLS

A variety of tools to cut, strip and prepare cable of all sizes.



## Cable Strippers

Available in two sizes:

Part No. **91400**

For cable O.D. from  
.25" to .675"

Part No. **91450**

For cable O.D. from  
.375" to .875"

## Cable Cutter

Part No. **PVC100**

For cable O.D. from  
.25" to .75"



## Wire Stripper

Part No. **Y510B**

For cable O.D. from  
.0395" to .1260"



## Heavy Duty Cable Stripper

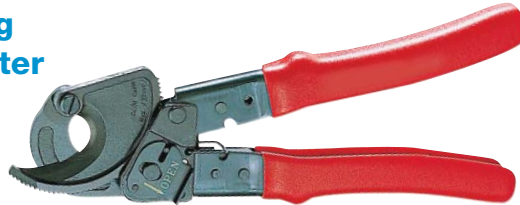
Part No. **91470**

For cable O.D. from  
.25" to 2.25"

## Ratcheting Cable Cutter

Part No. **91455**

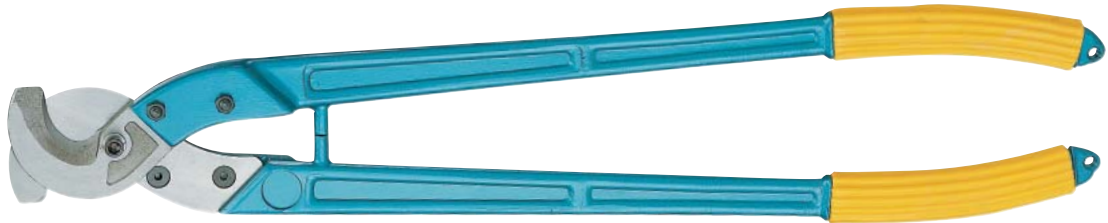
For cable O.D.  
up to 1.25"



## Super-Trex® Cable Cutter

Part No. **91457**

For cable O.D.  
up to 1.50"



USA **800-521-7935**  
FAX **866-528-2930**  
CANADA **800-545-0122**  
ONLINE **www.tpcwire.com**



TPC WIRE & CABLE CORP.

7061 E. PLEASANT VALLEY RD.  
INDEPENDENCE, OHIO 44131

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