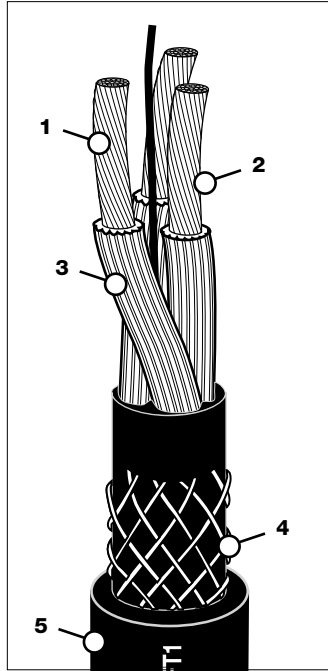


Super-Trex® Triple-Gard® Black Portable Cord

- UL Listed
- Type SOOW
- FT-1 Flame Rating
- Suitable for Class I, II, III, Division 1 & 2*
- MSHA Approved
- UV Resistant
- CSA
- RoHS Compliant
- 600 V
- Max Conductor Temp 105°C
- Weather Resistant
- Extra Hard Usage

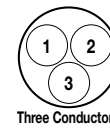
Super-Trex® Black Triple-Gard® portable cord is a highly flexible, Extra Hard Usage portable cord with excellent resistance to impact, cutting, abrasion, oils and most industrial chemicals. Features an integral fill, dual layered fiber reinforced jacket for added strength against twisting and pulling. Ideal for applications where cable tension is a concern. Black TSE jacket allows for extreme all weather flexibility.



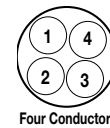
FEATURES & BENEFITS

- 1. TINNED CONDUCTORS** – Resists corrosion, easier to solder.
- 2. 2-1/2 TIMES MORE STRANDING** – Improves flexibility. Reduces conductor fatigue and breakage.
- 3. 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.
- 4. 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.
- 5. FIRST LAYER: SPECIALLY COMPOUNDED, BLACK, 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.
- 6. SUPER-TREX® TRIPLE-GARD® CONSTRUCTION** – Extends life in torque, tension and flexing applications.

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

Recommended Minimum Bend Radius for Cable Applications

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

APPLICATIONS

- Cord Reels
- Construction Sites
- Conveyors
- Extension Cords
- Floor Polishers
- Foot Switches
- Heavy-Duty Tools
- Hospital Equipment
- Industrial Heaters
- Limit Switches
- Man Cooling Fans
- Molds and Dies
- Motor Leads
- Pendant Pushbutton Stations
- Portable Machinery
- Proximity Switches
- Sanders
- Signaling Equipment
- Solenoid Valves
- T-Stands
- Welding Primary

ORDERING INFORMATION (MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

PART NO.	CORD SIZE AWG/COND	CONDUCTOR STRANDING	AMPACITY ¹	INSULATION THICKNESS (IN)	JACKET THICKNESS (IN)	NOMINAL O.D. (IN)	WT. (LBS) PER 1000 ¹	MIN. BEND RADIUS (IN)
85093**	16/3	65 x 34	10	0.030	0.060	0.408	105	3.26
85098**	16/4	65 x 34	10	0.030	0.060	0.435	130	3.48
85094	14/3	105 x 34	15	0.045	0.080	0.548	185	4.38
85099	14/4	105 x 34	15	0.045	0.080	0.590	245	4.72
85095	12/3	168 x 34	20	0.045	0.095	0.623	265	4.98
85000	12/4	168 x 34	20	0.045	0.095	0.675	320	5.40
85096	10/3	259 x 34	25	0.045	0.095	0.685	335	5.48
85001	10/4	259 x 34	25	0.045	0.095	0.745	400	5.96

NOTES: (1) Based on an ambient temperature of 30°C and conductor temperature of 90°C per NEC 2014, Table 400.5(A)(1).

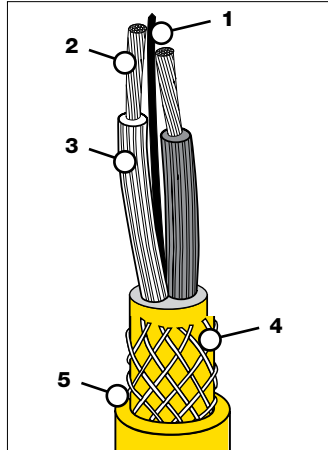
*When installed in accordance with NEC guidelines sections, 501.140, 502.140, 503.140.

**16 AWG products are designed with reinforced single pass jacket.

Super-Trex® Type W / Type TC Portable Power & Automation Cable

- UL Listed
- MSHA Approved
- Type W – 2,000 V
- Suitable for Class I, II, III, Division 1 & 2*
- UV Resistant
- cUL Listed (8 AWG to 2 AWG)
- ICEA S-75-381
- Type TC-ER – 2,000 V
- Max Conductor Temperature 90°C
- Extra Hard Usage

Super-Trex® Type W/ Type TC-ER Portable Power and Automation Cable is rated for Extra Hard Usage. This portable power cable has excellent resistance to abrasion, impact, tearing, and most industrial chemicals. Features an integral fill, dual layered fiber reinforced jacket and live-flex ribbed insulation for added strength. Security yellow TSE jacket allows for extreme all weather flexibility.



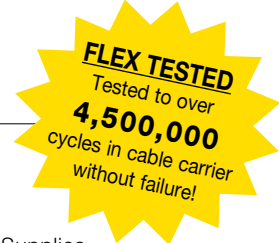
FEATURES & BENEFITS

- 1. NO-WICK REINFORCED SYNTHETIC FILLERS** – Adds tensile strength. Improves flexibility. Won't wick up liquids. Acts like a shock absorber to reduce damage from impact. (2 conductor only.)
- 2. FLEXIBLE CONCENTRIC ROPE LAY BUNCH STRANDED COPPER** – Provides longer life in reeling, flexing and twisting applications.
- 3. LIVE-FLEX RIBBED EPR RATED 90°C** – Ribbed to prevent kinking and breakage due to twisting and flexing. Resists dry rot. High dielectric, tensile and mechanical properties.
- 4. POLYESTER TIRE CORD REINFORCING BRAID EMBEDDED IN JACKET** – Provides added strength. Improves cable resistance to impact, abrasion, twisting and pulling.
- 5. HEAVY-DUTY SECURITY YELLOW SUPER-TREX® TSE DOUBLE PASS JACKET** – Provides superior first-line defense against industrial and environmental abuse. Resists tearing, abrasion, oil, impact, ozone and most chemicals. Flame and heat resistant. Extreme all-weather flexibility.

Conductor Color Code	
#	BASE COLOR
2	Black, White
3	Black, Red, Green
4	Black, White, Red, Green
5	Black, White, Red, Green, Orange
6	Black, White, Red, Green, Orange, Blue

APPLICATIONS

- Arc Welders
- Automated Equipment
- Robotic Welding
- Conveyors and Cranes
- Generator Power
- Lifting Magnets
- Mining Machines
- Mobile Equipment
- Movie Studio Power
- Pumps and Heaters
- Railroad Stand-by Power
- Retractable Reels
- Saws and Drills
- Shovels and Dredges
- Temporary & Emergency Power
- Transfer Cars and Loaders
- Robot Power Supplies
- Tray Cable Applications



CASE STUDY:
PGS. 285 & 287

ORDERING INFORMATION (MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

PART NO.	CORD SIZE AWG/COND	CONDUCTOR STRANDING	AMPACITY ¹	JACKET THICK (IN)	NOMINAL O.D. (IN)	WT. (LBS) PER 1000'	MIN. BEND RADIUS (IN)	FLAME RATING	TC	TC-ER	MSHA
85404	8/2	133 (7 x 19)	74	0.141	0.950	512	7.60	FT-1	•		•
85406	6/2	259 (7 x 37)	99	0.141	1.050	626	8.40	FT-4	•		•
85407	4/2	259 (7 x 37)	130	0.141	1.150	823	9.20	FT-4	•		•
85408	2/2	259 (7 x 37)	174	0.141	1.265	1094	10.12	FT-4	•		•
85411	1/0-2	1064 (19 x 56)	234	0.156	1.625	1766	13.00	FT-4	•		
85203	8/3	133 (7 x 19)	65	0.141	1.00	598	8.00	FT-1		•	•
85205	6/3	259 (7 x 37)	87	0.141	1.080	742	8.64	FT-4		•	•
85257	4/3	259/28	114	0.141	1.225	997	9.80	FT-4		•	•
85259	2/3	259/26	152	0.141	1.34	1353	10.72	FT-4		•	•
85255	1/0-3	1050 x 30	205	0.156	1.70	2328	13.60	FT-4		•	
85204	8/4	133 (7 x 19)	65	0.141	1.07	706	8.56	FT-1		•	•
85206	6/4	259 (7 x 37)	87	0.141	1.18	914	9.44	FT-4		•	•
85215	6/5	259 (7 x 37)	69	0.141	1.280	1077	10.24	FT-4		•	•
85606	6/6	259 (7 x 37)	69	0.141	1.39	1262	11.04	FT-4		•	•
85208	4/4	259 (7 x 37)	114	0.141	1.38	1229	11.12	FT-4		•	•
85210	2/4	259 (7 x 37)	152	0.141	1.46	1684	11.68	FT-4		•	•

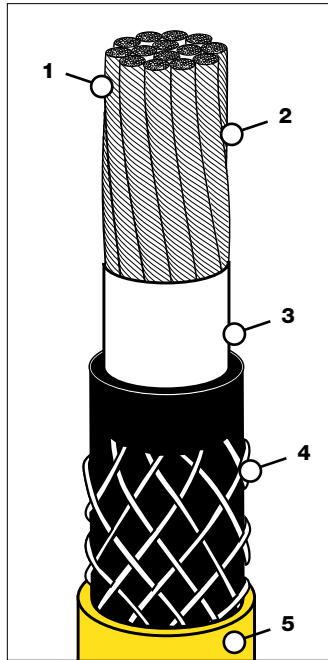
NOTE: (1) Based on an ambient temperature of 30°C and conductor temperature of 90°C per NEC 2014, Table 400.5(A)(2).
*When installed in accordance with NEC guidelines sections, 501.140, 502.140, 503.140.

Portable Cords
Power Cables (600 Volt to 35 KV)
Welding Cables
VFD/Servo Motor Cables
Reeling Cables
Control Cables/Instrumentation
Bus Cables
Flat Station Cables
Retractable Cables
High Temperature Cables
Igniter Cables
Thermocouple Extension Wires
Engineered Custom Cables

Super-Trex® Type W - RHH/RHW-2 Single Conductor Power Cable

- UL Listed
- Type RHH/RHW-2 – 600 V
- -40°C Cold Bend Temperature
- Extra Hard Usage
- Suitable for Class I, II, III Division 1 & 2*
- RoHS Compliant
- Type W – 2,000 V
- Max Conductor Temperature 90°C
- UV Resistant

Super-Trex® Type W RHH/RHW Single Conductor Power Cable features a high strand count and our live-flex insulation to provide superior flexibility and ease of installation. The security yellow TSE jacket provides excellent protection against abrasion, tearing, impact, oils and most industrial chemicals.



FEATURES & BENEFITS

- 1. TINNED COPPER CONDUCTOR BUNCHED IN A LEFT HAND LAY** – Resists corrosion, easy to solder, improved flex life.
- 2. #30 AWG STRANDED COPPER CONDUCTOR** – Provides for easy installation and longer life in vibration and flexing applications.
- 3. MYLAR SEPARATOR** – Easier to strip. Saves time.
- 4. LIVE-FLEX RIBBED EPR CONDUCTOR INSULATION RATED 90°C** – Ribbed to prevent kinking and breakage due to twisting and flexing. Resists dry rot. High dielectric, tensile and mechanical properties.
- 5. 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.

APPLICATIONS

- Automation Equipment
- Cable Carrier
- Crane Power
- Electroplating Equipment
- Induction Furnaces
- Motor Power Leads
- Metal Heat Treating Equipment
- Permanent Power
- Pumps
- Wet and Dry Environments

Recommended Minimum Bend Radius for Cable Applications: The Minimum Bend Radius for Dynamic Applications is 8 times the O.D. of the cable. Minimum Bend Radius for Static Applications is 6 times the O.D. of the cable.

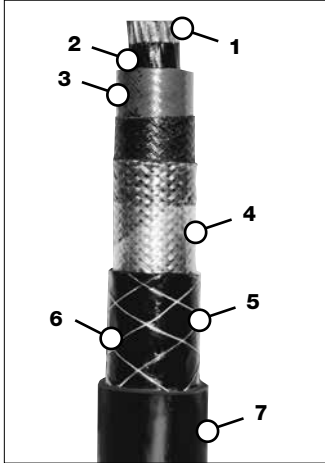
ORDERING INFORMATION (MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

PART NO.	COND SIZE MCM	CONDUCTOR STRANDING	INSULATION THICKNESS (IN)	JACKET THICKNESS (IN)	NOM. O.D. (IN)	NOM. WT. (LBS) PER 1000'	MIN. BEND RADIUS (IN)	AMPACITY ¹	FLAME RATING
86324E	2 AWG	665 x 30	0.060	0.095	0.647	365	5.2	190	FT-1
86325E	2/0	1323 x 30	0.080	0.095	0.861	688	6.9	300	FT-4 / IEEE 1202
86326E	4/0	2107 x 30	0.080	0.095	0.988	1002	8	405	FT-4 / IEEE 1202
86319E	250 kcmil	2499 x 30	0.095	0.095	1.082	1162	8.7	455	FT-4 / IEEE 1202
86321E	350 kcmil	3458 x 30	0.095	0.095	1.217	1522	9.8	570	FT-4 / IEEE 1202
86323E	500 kcmil	5054 x 30	0.095	0.095	1.386	2131	11.1	700	FT-4 / IEEE 1202

NOTES: (1) Based on an ambient temperature of 30°C per NEC 2014, Table 310.15(B)(17).
*When installed in accordance with NEC guidelines sections, 501.140, 502.140, 503.140.

Super-Trex® Medium Voltage Single Conductor Power Cable/Assemblies

- ASTM B-33: Standard specification for tinned soft or annealed copper wire for electrical purposes
- IEEE - 383 Flame Rating
- RoHS Compliant
- ICEA S-75-381/NEMA WC-58: Portable and power feeder cables for use in mines and similar applications
- FT-4 Flame Rating



FEATURES & BENEFITS

- 1. CONDUCTOR** — High flex tin coated bunch stranded copper conductors, for long life in harsh environments.
- 2. CONDUCTOR SHIELD** — Combination of semi-conducting tape and extruded semi-conductive TSE.
- 3. INSULATION** — EPR insulation provides protection from moisture, heat and ozone.
- 4. INSULATION SHIELD** — Tin coated braid shield placed over semi-conductive tape.
- 5. INNER JACKET** — Heavy-duty TSE provides added strength.
- 6. REINFORCEMENT †** — Rayon tire cord reinforcing, improves cable resistance to pulling and twisting.
- 7. OUTER JACKET** — Extra heavy-duty TSE jacket provides excellent protection against industrial and environmental abuse. Resists tearing, abrasion, oil, impact, ozone and most chemicals.

ORDERING INFORMATION (MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

VOLTAGE/ JACKET COLOR	PART NO.	CABLE SIZE	CONDUCTOR STRANDING	AMPACITY ¹	INSULATION THICKNESS (IN)	JACKET THICKNESS (IN)	NOMINAL O.D. (IN)	WT. (LBS) PER 1000'
5kV YELLOW	70502	2	259	190	0.110	0.125	0.975	674
	70510	1/0	266	260	0.110	0.140	1.060	825
	70520	2/0	323	300	0.110	0.140	1.170	1039
	70540	4/0	532	400	0.110	0.155	1.300	1393
	70525*	250	627	445	0.120	0.155	1.300	1477
	70535	350	888	550	0.120	0.170	1.490	1926
15kV ORANGE	70102	2	259	195	0.210	0.155	1.203	881
	70110*	1/0	266	260	0.210	0.155	1.325	1147
	70120*	2/0	323	300	0.210	0.155	1.350	1226
	70140*	4/0	532	400	0.210	0.170	1.497	1594
	70125*	250	608	445	0.210	0.170	1.550	1760
	70135* †	350	888	550	0.210	0.190	1.765	2364
25kV RED	70150* †	500	1221	685	0.210	0.190	1.900	2937
	70201*	1	259	225	0.260	0.170	1.450	1170
	70210*	1/0	266	260	0.295	0.170	1.500	1350
	70220*	2/0	323	300	0.295	0.170	1.560	1507
	70240* †	4/0	532	395	0.295	0.190	1.713	1909
	70225*	250	627	440	0.295	0.190	1.765	2085
35kV BLACK	70235* †	350	888	545	0.295	0.190	1.886	2517
	70250* †	500	1221	680	0.295	0.205	2.048	3168
	70275 †	750	1850	870	0.295	0.205	2.253	4253
	70310	1	259	225	0.340	0.170	1.623	1465
	70316	1/0	266	260	0.340	0.170	1.725	1632
	70320	2/0	342	300	0.340	0.205	1.840	1898
70340 †	4/0	532	395	0.340	0.205	1.895	2235	
70325 †	250	608	440	0.340	0.205	1.960	2429	
70335 †	350	888	545	0.340	0.205	2.100	2901	
70350 †	500	1221	680	0.340	0.205	2.280	3396	

NOTES: (1) Allowable ampacity per conductor of insulated single conductor in air based on conductor temperature of 90°C and ambient air temperature of 40°C. NEC 2011 Table 310.60(C)(69).
 *CSA Approved. † These cables include rayon reinforcement.

Portable Cords
 Power Cables (600 Volt to 35 KV)
 Welding Cables
 VFD/Servo Motor Cables
 Reeling Cables
 Control Cables/Instrumentation
 Bus Cables
 Flat Tension Cables
 Retractive Coil Cables
 Chemical & Temp. Resistant Cables
 High Temperature Cables
 Igniter Cables
 Thermocouple Extension Wires
 Engineered Custom Cables

Super-Trex® Medium Voltage Single Conductor Power Cable/Assemblies (Continued)

TPC's Medium Voltage Single Conductor Power cable is a highly flexible single conductor shielded medium voltage cable designed to ICEA standards. An extra heavy-duty TSE jacket provides excellent protection against tearing, abrasion, oil, impact and most industrial chemicals. Available in voltages from 5kV to 35kV. Ideal for applications where flexibility and ease of use is required. TPC can also add a connector to this cable and deliver a complete assembly — ready to install. A full testing report is provided to certify the testing and ensure the highest quality workmanship and traceability of the “ready to install” assembly.

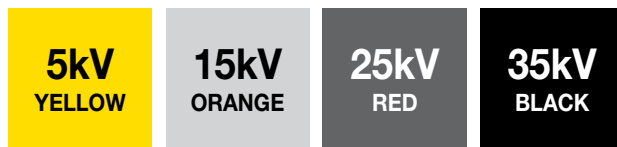
We stock the product so you don't have to! TPC Wire & Cable carries deep inventories of medium voltage power cables and allows you to buy just the amount you need for your specific application.

Custom Cutting and Packaging Service. TPC will cut the cable to length for you and pack the product to your specific requirements. You will receive the product in the lengths you require ready to be installed.

Buy it Connectorized:

- Factory installed medium voltage terminations – standard or customized to meet your specific requirements.
- Factory installed load break elbows.
- Cut, packaged and shipped ready for installation.

Available 2 AWG to 750 MCM



**35kv is NOT CSA approved*



APPLICATIONS

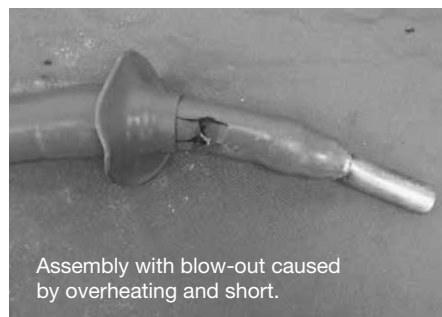
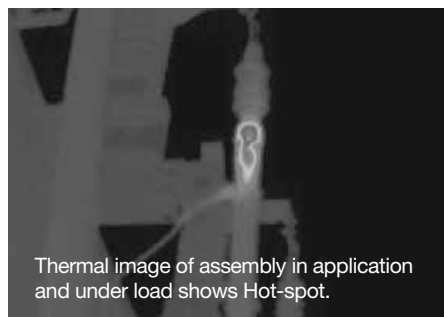
- Mobile substation equipment.
- Anywhere a flexible medium voltage cable is needed.
- Other series and colors available through our Engineered Products Department.

MEDIUM VOLTAGE CABLE ASSEMBLY TESTING

TPC Wire & Cable Corp. tests all Medium and High Voltage assemblies prior to leaving our facility. All assemblies are tested in accordance with the ANSI/NEMA WC 58-2008, 6.17 electrical test requirements. A full testing report is provided to certify the testing and to ensure the highest quality workmanship and traceability of the ready to install assembly.

Damaging an assembly is easy to do but hard to detect until it is too late. **TPC provides 100% AC or DC Hi-pot testing on all assemblies before they leave our facility – giving you 100% peace of mind.**

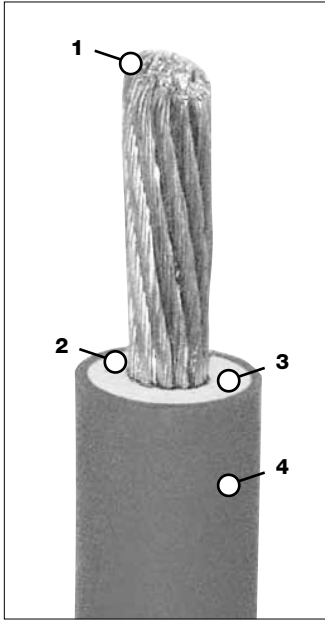
AVOID UNTESTED CABLE ASSEMBLIES



Super-Trex® Unshielded Jumper Cable, 15 kV

- Max Conductor Temperature 90°C
- 15,000 Volts

Super-Trex® Unshielded Jumper Cable is a highly flexible single conductor unshielded medium voltage jumper cable designed for temporary use. Ideal for applications where an unshielded flexible medium voltage cable is required. Jumper cables are intended for temporary use only.



FEATURES & BENEFITS

1. EXTRA FLEXIBLE TINNED COPPER CONDUCTORS

— Extends the flex life of this cable in abusive applications. Tinned copper resists corrosion.

2. SEMI-CONDUCTIVE TAPE — Placed directly over the tinned copper conductor the semi-conductive tape prevents the insulation compound from bonding to the conductor. This makes the product easier to strip and terminate.

3. EXTRUDED SEMI-CONDUCTIVE EPR INSULATION

— Heat resistant, 90°C EPR insulation provides excellent dielectric properties and resists moisture and ozone.

4. TSE JACKET — Rated to 90°C and provides excellent protection from abrasion, tearing, impact and most chemicals.

NOTE: Jumper cables are for use on equipment and in applications where an unshielded, flexible, medium voltage cable is required. Caution should be taken to limit access to these areas and cables to authorized trained personnel. Because these cables are not shielded, keep them positioned away from contact with grounds, transformer cases, etc. to avoid possible high electrical stress areas and capacitive leakage. **Jumper cables are intended for temporary use; do not use them in applications that require a shielded medium voltage cable.**

ORDERING INFORMATION (MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

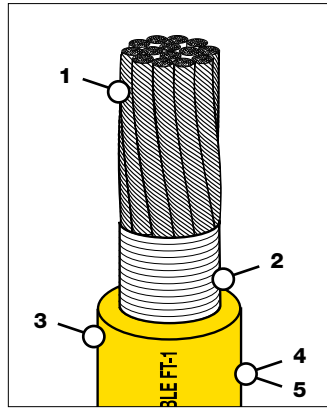
PART NO.	CONDUCTOR SIZE	CONDUCTOR STRANDING	AMPACITY ¹	INSULATION THICKNESS (IN)	JACKET THICKNESS (IN)	NOMINAL O.D. (IN)	WT. (LBS) PER 1000'
78006	6	133	110	0.210	0.065	0.820	360
78004	4	259	150	0.210	0.065	0.880	449
78002	2	259	195	0.210	0.065	0.940	563
78010	1/0	266	260	0.210	0.065	1.05	742
78020	2/0	323	300	0.210	0.065	1.08	869
78040	4/0	532	400	0.210	0.065	1.22	1181
78350	350	888	550	0.210	0.065	1.34	1692
78500	500	1221	685	0.210	0.065	1.46	2192

NOTES: (1) Based on a conductor temperature of 90°C, ambient temperature of 40°C, 15,000 volts, single conductor in free air per NEC 2014 Table 310.60(C)(69).

Super-Trex® 600 Volt Welding Cable

- UL Listed
- RoHS Compliant
- Type SC
- Max Conductor Temperature 90°C
- UV Resistant
- CSA
- FT-1 Flame Rating
- 600 V
- Extreme Usage
- MSHA Approved* (2 AWG and Larger)

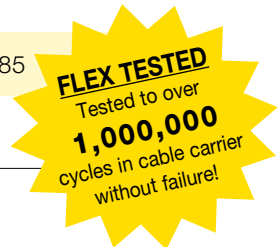
Super-Trex® 600 Volt Welding Cable is designed for rugged use featuring our Extra-Flex rope lay copper conductor, 100% fabric serve and a jacket with a 25% thicker wall compared to ordinary cable. The result is a flexible weld and power cable that withstands tearing, abrasion, impact and chunking, extending the life of the cable in harsh applications. This cable is ideal for use in welding or power applications.



FEATURES & BENEFITS

- 1. EXTRA-FLEX #34 AWG BUNCH STRANDED ROPE LAY COPPER** – 2-1/2 times more stranding than conventional welding cables. Reduces copper conductor fatigue and breakage. Easier to work with. High impact resistance.
- 2. 100% FABRIC SERVE** – Improves tear resistance and reduces jacket shrink-back.
- 3. FOOTAGE INDICATORS MARKED ON THE JACKET** – Easy, precise measuring reduces waste and improves productivity.
- 4. SPECIALLY COMPOUNDED, SECURITY YELLOW, SUPER-TREX® TSE JACKET RATED 600 VOLT** – Superior first-line defense against all types of industrial and environmental abuse. Flame and heat resistant. Extreme all-weather flexibility.
- 5. JACKET IS 25% THICKER THAN ORDINARY CABLE** – Withstands tearing, abrasion, impact and chunking.

CASE STUDY: PG. 285



APPLICATIONS

- Battery Charger Lead Wires
- Bus Welding Boxes or Transformers
- Electrode Holder and Ground Connections to Arc Welders
- Power Supply Applications
- Portable Lighting

SUGGESTED CABLE SIZE BASED ON AMPACITY AND CABLE LENGTH (Total circuit length includes the welding (electrode) & ground lead)

REQUIRED AMPS	TOTAL CIRCUIT LENGTH								
	100'	150'	200'	250'	300'	350'	400'	500'	600'
100	4	4	2	1	1/0	1/0	2/0	3/0	4/0
150	4	2	1	1/0	2/0	3/0	3/0		
200	2	1	1/0	2/0	3/0	4/0	4/0		
250	1	1/0	2/0	3/0	4/0				
300	1/0	2/0	3/0	4/0					
350	1/0	3/0	4/0						
400	2/0	3/0							
450	2/0	4/0							
500	3/0	4/0							
550	3/0	4/0							

Recommended Minimum Bend Radius for Cable Applications: The Minimum Bend Radius for Dynamic Applications is 8 times the O.D. of the cable. Minimum Bend Radius for Static Applications is 6 times the O.D. of the cable.

NOTE: (1) For welding applications only. Do not use this table for 600 volt applications. The total circuit length includes both the welding and ground cable (based on 4 volt drop) 60% duty cycle. Current carrying values are based on copper temp. of 60°C and ambient temp. of 40°C.

ORDERING INFORMATION (MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

PART NO.	CABLE SIZE AWG	CONDUCTOR STRANDING	JACKET THICKNESS (IN)	NOMINAL O.D. (IN)	WT. (LBS) PER 1000'	MIN. BEND RADIUS (IN)	AMPACITY: 600V IN-LINE APPLICATIONS ¹
86310	6	660 x 34	0.080	0.370	132	3.0	105
86311	4	1045 x 34	0.093	0.450	202	3.6	140
86312*	2	1634 x 34	0.103	0.540	305	4.4	190
86314*	1/0	2597 x 34	0.115	0.660	416	5.3	260
86315*	2/0	3300 x 34	0.115	0.700	558	5.6	300
86316*	3/0	4214 x 34	0.140	0.797	721	6.4	350
86317*	4/0	5225 x 34	0.158	0.900	906	7.2	405

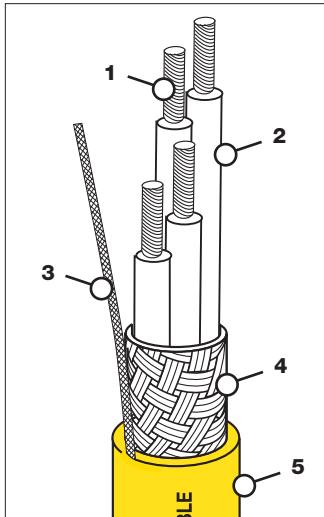
NOTE: (1) Based on an ambient temperature of 30°C and conductor temperature of 90°C per NEC 2014, Table 3.10.15(B)(17). *MSHA Approved

Portable Cords
 Power Cables (600 Volt to 35 kV)
 Welding Cables
 VFD/Servo Motor Cables
 Reeling Cables
 Control Cables/Instrumentation
 Bus Cables
 Flat Festoon Cables
 Retractable Coil Cables
 Chemical & Temp. Resistant Cables
 High Temperature Cables
 Igniter Cables
 Thermocouple Extension Wires
 Engineered Custom Cables

Trex-Onics® Low Capacitance VFD Shielded Power Cable

- UL Listed
- CSA
- Type TC-ER – 600 V
- Operating Temperature Range -40°C to 90°C
- Suitable for Class I, II, Div. 2
- FT-4 Flame Rating
- CE
- CSA – 1,000 V
- RoHS Compliant
- Corona Resistant to 2,000 V
- Oil Resistant
- Sunlight Resistant

TPC's Trex-Onics® VFD Shielded Power Cable is designed for superior performance. A heavy-duty tinned copper braid protects equipment and motor from damage caused by electrical noise and 'stray voltage' and provides a shield against EM and RF noise and interference, and a low impedance path to ground. The finely stranded copper conductors extend conductor life in dynamic applications and are alpha-numerically marked for ease of identification. The oil resistant composite insulation system offers high dielectric, tensile and mechanical properties.



FEATURES & BENEFITS

1. FINELY STRANDED COPPER CONDUCTORS

– Improves flexibility and extends conductor life in dynamic applications. Conductors are alpha-numerically marked for ease of identification.

2. XLPE INSULATION SYSTEM – High dielectric, tensile and mechanical properties.

3. FLAT BRAID DRAIN WIRE

4. HEAVY-DUTY 95% COVERAGE OF TINNED COPPER BRAID – Provides a shield against EM and RF noise and interference, and a low impedance path to ground. Protects equipment and motor damage from electrical noise and "stray voltage". Designed for superior performance in moving applications.

5. 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.

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



COLOR CODE	
COND	COLOR
1, 2 & 3	Black
4	Green/Yellow

APPLICATIONS

AC Variable Frequency Drives are more prevalent today as the advantages of this technology have become better understood. The most common method of controlling VFD motors is the use of Pulse Width Modulation (PWM), a method where the frequency or pulse width of the drive signal is controlled to vary the motor speed. The issues associated with VFD systems are high switching speeds (10 KHz and higher) which generate electrical noise, corona discharge and "stray voltages". The generation of electrical noise, corona and "stray voltages" are potentially damaging to the motor and equipment if a non VFD or "drive rated" cable is installed. For this reason, TPC has designed a high performance VFD cable for dynamic industrial applications that reduces the effects of electrical noise and corona discharge, while providing a low impedance path to ground to eliminate the potential damage caused by "stray voltages".

ORDERING INFORMATION (MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

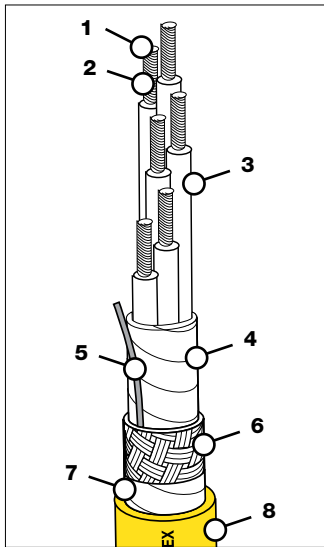
PART NO.	CABLE SIZE AWG	STRANDING	AMPACITY ¹	NOMINAL O.D. (IN)	WT. (LBS) PER 1000'	DRAIN WIRE AWG
60040LC	16/4	65 x 34	18	0.563	145	18
60041LC	14/4	105 x 34	25	0.588	158	16
60042LC	12/4	165 x 34	30	0.656	247	14
60043LC	10/4	105 x 30	40	0.710	308	14
60044LC	8/4	168 x 30	55	0.926	528	14
60045LC	6/4	266 x 30	75	1.02	753	14
60046LC	4/4	413 x 30	95	1.20	1083	14

NOTE: (1) Ambient temperature of 30°C, conductor temperature of 90°C, not more than three current-carrying conductors. Based on NEC 2011, Table 310.15(B)(16).

Trex-Onics® Overall Shielded Continuous Flex Multi-Conductor Cable

• UL Recognized • CSA • 600 V • RoHS Compliant • MSHA Approved • Max Conductor Temperature 105°C — UL • Operating Temperature Range -40°C to 105°C

Designed for industrial applications, Trex-Onics® Overall Shielded Continuous Flex Multi-Conductor Cable is constructed with FEP insulation, FEP overwrap, heavy-duty tinned copper braid and a polyurethane jacket. It shows superior resistance from abrasion, tearing, oil, ozone, UV and most chemicals.



FEATURES & BENEFITS

- 1. BUNCH STRANDED SOFT DRAWN COPPER** — Longer flex life in flexing and twisting applications.
- 2. FINELY STRANDED TINNED COPPER CONDUCTORS** — Improves flexibility and extends flex life.
- 3. FLUOROPOLYMER INSULATION** — Offers superior resistance to oil, solvents and chemicals. Provides high dielectric capability, mechanical strength and cut resistance.
- 4. FLUOROPOLYMER OVER-WRAP** — Acts as a flex-facilitator, allowing the conductors to slide smoothly under the braid shield in dynamic applications. Protects the conductors from abrasion, improving flex life.
- 5. FLAT TINNED DRAIN WIRE**
- 6. ULTRA-SHIELD™ CONSTRUCTION, A HEAVY-DUTY TINNED COPPER BRAID** — Shielding provides a minimum of 85% protection from EM and RF interference in addition to superior mechanical strength in industrial applications.
- 7. WOVEN NYLON TAPE** — Improves flexibility, allows the conductor bundle to move easily within the jacket for longer flex life.
- 8. SECURITY YELLOW HEAVY-DUTY POLYURETHANE TPE JACKET** — Provides superior first-line defense against industrial and environmental abuse. Resists tearing, abrasion, oil, ozone and most chemicals. UV resistant.

ORDERING INFORMATION (Call for pricing & availability)

PART NO.	CABLE AWG/COND	STRANDING NO./AWG	AMPACITY ¹	DRAIN WIRE	NOMINAL O.D. (IN)	INSULATION THICK (IN)	WT. (LBS) PER 1000'
61609	24/9	19/36	4.9	24 AWG	0.300	0.010	51
61606	24/6	19/36	5.6	24 AWG	0.255	0.010	41
61604	24/4	19/36	5.6	24 AWG	0.225	0.010	32
61602	24/2	19/36	7.0	24 AWG	0.210	0.010	28
61526	20/26	26/34	4.9	22 AWG	0.500	0.010	196
61524	20/24	26/34	4.9	22 AWG	0.495	0.010	192
61518	20/18	26/34	5.5	22 AWG	0.430	0.010	148
61512	20/12	26/34	5.5	22 AWG	0.375	0.010	110
61509	20/9	26/34	7.7	22 AWG	0.360	0.010	89
61506	20/6	26/34	8.8	22 AWG	0.290	0.010	68
61502	20/2	26/34	11.0	22 AWG	0.235	0.010	40
61465	18/65	41/34	4.9	20 AWG	0.980	0.010	628
61449	18/49	41/34	4.9	20 AWG	0.875	0.010	496
61433	18/33	41/34	5.6	20 AWG	0.615	0.010	322
61424	18/24	41/34	6.3	20 AWG	0.560	0.010	265
61418	18/18	41/34	7.0	20 AWG	0.485	0.010	210
61412	18/12	41/34	7.0	20 AWG	0.415	0.010	145
61409	18/9	41/34	9.8	20 AWG	0.400	0.010	110
61406	18/6	41/34	11.2	20 AWG	0.320	0.010	88
61404	18/4	41/34	11.2	20 AWG	0.280	0.010	58
61403	18/3	41/34	14.0	20 AWG	0.265	0.010	54
61402	18/2	41/34	14.0	20 AWG	0.250	0.010	50
61731	16/31	65/34	7.2	20 AWG	0.655	0.010	412
61725	16/25	65/34	8.0	20 AWG	0.640	0.010	360
61719	16/19	65/34	9.0	20 AWG	0.575	0.010	286
61712	16/12	65/34	9.0	20 AWG	0.465	0.010	185
61709	16/9	65/34	12.6	20 AWG	0.435	0.010	158
61705	16/5	65/34	14.4	20 AWG	0.360	0.010	110
61703	16/3	65/34	18.0	20 AWG	0.290	0.010	85
61340	14/10	105/34	12.5	20 AWG	0.515	0.010	260

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.

Trex-Onics® Overall Shielded Continuous Flex Multi-Conductor Cable *(Continued)*

APPLICATIONS

- Cable Carriers
- Computer Interface
- Digital Remote Control
- Heat, Pressure & Flow Meters
- Instrumentation
- Load Cell Monitors
- Programmable Controllers
- Proximity Switches
- Programmable Limit Switches
- Robotic Applications
- Servo Motors
- Tachometers
- Telecommunications
- Torque-Tool Monitoring Equipment
- Variable Speed Motors

COLOR CODE			
NO.	COLOR	NO.	COLOR
1	Black	34.	Black/White/Orange
2	White	35.	White/Red/Orange
3	Red	36.	Orange/White/Blue
4	Green	37.	White/Red/Blue
5.	Orange	38.	Black/White/Green
6.	Blue	39.	White/Black/Green
7.	White/Black	40.	Red/White/Green
8.	Red/Black	41.	Green/White/Blue
9.	Green/Black	42.	Orange/Red/Green
10.	Orange/Black	43.	Blue/Red/Green
11.	Blue/Black	44.	Black/White/Blue
12.	Black/White	45.	White/Black/Blue
13.	Red/White	46.	Red/White/Blue
14.	Green/White	47.	Green/Orange/Red
15.	Blue/White	48.	Orange/Red/Blue
16.	Black/Red	49.	Blue/Red/Orange
17.	White/Red	50.	Black/Orange/Red
18.	Orange/Red	51.	White/Black/Orange
19.	Blue/Red	52.	Red/Orange/Black
20.	Red/Green	53.	Green/Red/Blue
21.	Orange/Green	54.	Orange/Black/Blue
22.	Black/White/Red	55.	Blue/Black/Orange
23.	White/Black/Red	56.	Black/Orange/Green
24.	Red/Black/White	57.	White/Orange/Green
25.	Green/Black/White	58.	Red/Orange/Green
26.	Orange/Black/White	59.	Green/Black/Blue
27.	Blue/Black/White	60.	Orange/Green/Blue
28.	Black/Red/Green	61.	Blue/Green/Orange
29.	White/Red/Green	62.	Black/Red/Blue
30.	Red/Black/Green	63.	White/Orange/Blue
31.	Green/Black/Orange	64.	Red/Black/Blue
32.	Orange/Black/Green	65.	Green/Orange/Blue
33.	Blue/White/Orange		

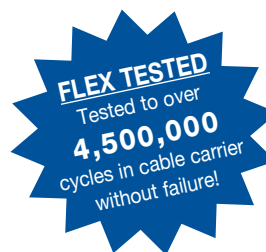
CHEMICAL RESISTANCE OF COMMON INSULATING MATERIALS

CHEMICAL	RUBBER	SILICONE	FLUOROPOLYMER
Oxidation Resistance	Fair	Excellent	Outstanding
Oil Resistance	Poor	Fair-Good	Outstanding
UV Resistance	Fair	Outstanding	Outstanding
Water Resistance	Good	Good-Excellent	Excellent
Acid Resistance	Fair-Good	Fair-Good	Excellent
Alkali Resistance	Fair-Good	Fair-Good	Excellent
Gasoline Kerosene	Poor	Poor-Fair	Excellent
Benzol Toluene	Poor	Poor	Excellent
Degreaser Solvent	Poor	Poor-Good	Excellent
Alcohol Resistance	Good	Good	Excellent

ELECTRICAL SPECIFICATIONS

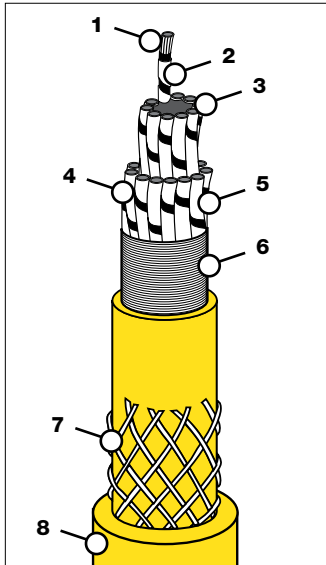
PART NO.	NOMINAL IMPEDANCE (PER 1,000 FT)	NOMINAL CAPACITANCE (COND-COND)	NOMINAL CAPACITANCE (COND-SHIELD)
61609	69	24	42.5
61606	69	24	42.5
61604	69	24	42.5
61602	69	24	42.5
61524	53	31.5	56
61518	53	31.5	56
61512	53	31.5	56
61509	53	31.5	56
61506	53	31.5	56
61502	53	31.5	56
61424	47	35	62
61418	47	35	62
61412	47	35	62
61409	47	35	62
61406	47	35	62
61404	47	35	62
61402	47	35	62
61731	37.5	44	79.2
61725	37.5	44	79.2
61719	37.5	44	79.2
61712	37.5	44	79.2
61709	37.5	44	79.2
61705	37.5	44	79.2
61703	37.5	44	79
61340	35	46	80

These values are to be used as a guideline and may vary according to the actual cable application.



Super-Trex® Multi-Conductor P&R Cable

- UL Listed
- RoHS Compliant
- Type WTTC – 1,000 V
- FT-1 Flame Rating
- Max Conductor Temperature 90°C Dry
- Suitable for Class I, II, Division 2*
- CSA
- UV Resistant
- Type TC – 600 V
- MSHA Approved (16 AWG Only)
- Max Conductor Temperature 75°C Wet



FEATURES & BENEFITS

1. BUNCH STRANDED TINNED SOFT DRAWN COPPER – Longer flex life in reeling, flexing and twisting applications. Easier to solder.

2. LIVE-FLEX XLPE CONDUCTOR INSULATION – Increases flexibility and has high dielectric, tensile and mechanical properties.

3. CONDUCTORS – LOWER COEFFICIENT OF FRICTION – Longer life in reeling and flexing applications. Fewer spares needed.

4. NO-WICK RAYON-REINFORCED SYNTHETIC FILLER – Adds tensile strength, improves flexibility and won't wick up liquids. Acts like a shock absorber to reduce damage from impact.

5. NYLON ARMORED INNER CONDUCTORS ARE CODED WITH ALPHA NUMERIC

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

6. POLYESTER TAPE AROUND INNER COMPONENTS – Provides easy movement of the conductor bundle for longer flex life.

7. NYLON REINFORCING BRAID EMBEDDED BETWEEN TWO-LAYER JACKET – Provides added strength. Improves cable resistance to impact, abrasion, twisting and pulling.

8. SPECIALLY COMPOUNDED, SECURITY YELLOW, SUPER-TREX® TSE JACKET – A two layer reinforced jacket provides superior first-line defense against industrial and environmental abuse. Resists tearing, abrasion, impact, oil, ozone and most chemicals. Flame and heat resistant. Extreme all-weather flexibility.

ORDERING INFORMATION (MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

	PART NO.	CABLE SIZE AWG/COND	CONDUCTOR STRANDING	AMPACITY ¹	JACKET THICKNESS (IN)	NOMINAL O.D. (IN)	WT. (LBS) PER 1000'	MIN. BEND RADIUS (IN)
COLOR CODED CONDUCTORS	88820	16/6	65/34	14	0.115	0.540	210	4.32
	88822	16/8	65/34	12	0.115	0.605	247	4.84
	88823	16/10	65/34	9	0.115	0.680	287	5.44
	88824	16/12	65/34	9	0.135	0.695	326	5.56
	88825	16/16	65/34	9	0.135	0.745	372	5.96
	88826	16/20	65/34	9	0.135	0.805	450	6.44
	88827	16/24	65/34	8	0.135	0.885	497	7.08
	88828	16/33	65/34	7	0.155	0.980	708	7.84
	88829	16/36	65/34	7	0.155	1.01	722	8.08
	88830	16/41	65/34	6	0.155	1.07	833	8.56
ALPHA NUMERIC BLACK CONDUCTORS	88811	14/7	41/30	17	0.115	0.625	276	5.00
	88812	14/8	41/30	17	0.115	0.660	305	5.28
	88813	14/10	41/30	12	0.115	0.745	365	5.96
	88814	14/12	41/30	12	0.135	0.760	411	6.08
	88815	14/16	41/30	12	0.135	0.820	499	6.56
	88816	14/20	41/30	12	0.135	0.890	586	7.12
	88817	14/24	41/30	11	0.135	0.965	680	7.72
	88800	12/6	65/30	24	0.115	0.640	334	5.12
	88802	12/8	65/30	21	0.115	0.720	402	5.76
	88804	12/12	65/30	15	0.135	0.830	549	6.64
	88806	12/20	65/30	15	0.135	0.975	822	7.80
	88808	12/30	65/30	13	0.155	1.155	1157	9.24
	88832	10/6	105/30	32	0.115	0.760	439	6.08
	88834	10/8	105/30	28	0.115	0.860	554	6.88
	88836	10/12	105/30	20	0.135	0.990	768	7.92

NOTES: (1) Based on an ambient temperature of 30°C and conductor temperature of 90°C per NEC 2014, Table 3.10.15(B)(16).
*When installed in accordance with NEC guidelines sections, 501.140, 502.140, 503.140.

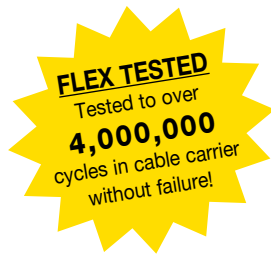
Portable Cords
 Power Cables (600 Volt to 35 KV)
 Welding Cables
 VFD/Servo Motor Cables
 Reeling Cables
 Control Cables/Instrumentation
 Bus Cables
 Flat Festoon Cables
 Retractive Coil Cables
 Chemical & Temp. Resistant Cables
 High Temperature Cables
 Igniter Cables
 Thermocouple Extension Wires
 Engineered Custom Cables

Super-Trex® Multi-Conductor P&R Cable (Continued)

Super-Trex® Multi-Conductor P&R Cable exhibits a unique design for payout and retractile (P&R) applications featuring our Live-Flex insulation with a low coefficient of friction and a dual layered fiber reinforced jacket for added strength. No-Wick synthetic fillers provide added strength and reduced damage to impact. Security yellow TSE jacket provides superior resistance to abrasion, tearing, impact, oil and most industrial chemicals.

APPLICATIONS

- Remote Control of Electrical Equipment
- Festoon Systems
- Cranes and Hoists
- Cable Carrier Systems
- Cable Reels
- Automatic Welders
- Broach Machines
- Retractable Reels
- Machine Tools
- Control Circuits
- Positioning Equipment
- Transfer Vehicles



K-1/METHOD 1 WITH ALPHA NUMERIC IDENTIFICATION

NO. OF CONDUCTORS	BASE COLOR	TRACER	SIDE ONE: NUMERIC	SIDE TWO: ALPHA-NUMERIC
1	BLACK	—	1	ONE
2	WHITE	—	2	TWO
3	RED	—	3	THREE
4	GREEN	—	4	FOUR
5	ORANGE	—	5	FIVE
6	BLUE	—	6	SIX
7	WHITE	BLACK	7	SEVEN
8	RED	BLACK	8	EIGHT
9	GREEN	BLACK	9	NINE
10	ORANGE	BLACK	10	TEN
11	BLUE	BLACK	11	ELEVEN
12	BLACK	WHITE	12	TWELVE
13	RED	WHITE	13	THIRTEEN
14	GREEN	WHITE	14	FOURTEEN
15	BLUE	WHITE	15	FIFTEEN
16	BLACK	RED	16	SIXTEEN
17	WHITE	RED	17	SEVENTEEN
18	ORANGE	RED	18	EIGHTEEN
19	BLUE	RED	19	NINETEEN
20	RED	GREEN	20	TWENTY
21	ORANGE	GREEN	21	TWENTY-ONE

Color code repeats after twenty-one conductors. Alpha-numeric identification is unique for all conductor counts one through thirty-six.

SUPER-TREX® 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.

Acetic Acid (60%).....	G	Chromic Acid	G
Ammonium Hydroxide (60%).....	E	Corn Oil.....	E
ASTM Fuel A	E	Distilled Water	E
ASTM Fuel B	G	Floor Polish	E
ASTM No. 1 Oil	E	Formaldehyde (40%)	E
ASTM No. 2 Oil	E	Gasoline	G
ASTM No. 3 Oil	E	Glycerine	E
Beef Blood	E	Hydrocarbon Hydraulic Fluid	E
Beer	E	Hydrochloric Acid (60%)	E
Boric Acid.....	E	Hydrogen Sulfide.....	E
Calcium Chloride	E	JP-4 (Jet Fuel)	G
Chlorinated Salt Brine.....	E	Kerosene.....	E

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

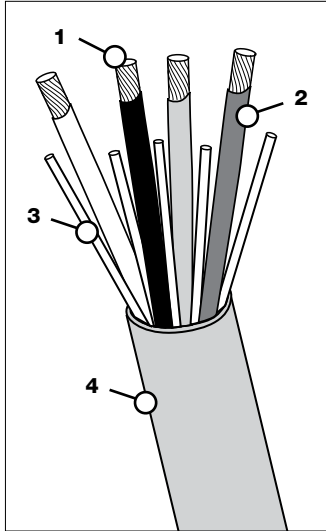
(E) Excellent – less than 10%	(G) Good – 10% to 30%		
(F) Fair – 30% to 50%	(P) Poor – More than 50%		
Linseed Oil	E	Silicone Oil.....	E
Lubricating Oil (3-in-1)	E	Sodium Bicarbonate.....	E
Methyl Butyl Ketone	P	Sodium Chloride.....	E
Milk	E	Sodium Cyanide (60%).....	G
N-Butyl Alcohol	E	Sodium Hydroxide (60%).....	G
Perchloroethylene.....	F	Sodium Nitrate	E
Phosphate Ester Hydraulic (Skydrol 500B).....	P	Steel Mill Rolling Oil	E
Phosphoric Acid (85%)	E	Sulphuric Acid (10%)	E
Potassium Citrate	E	Toluene	P
Potassium Hydroxide (20%)	E	Turpentine	G
Rochelle Salts.....	E		

Portable Cords
 Power Cables (600 Volt to 35 kV)
 Welding Cables
 VFD/Servo Motor Cables
 Reeling Cables
 Control Cables/Instrumentation
 Bus Cables
 Flat Festoon Cables
 Retractable Coil Cables
 Chemical & Temp. Resistant Cables
 High Temperature Cables
 Igniter Cables
 Thermocouple Extension Wires
 Engineered Custom Cables

Chem-Gard® 200 Cable

- UL Recognized
- CSA
- 600 V
- FT-1 Flame Rating
- VW-1 Flame Rating
- RoHS Compliant
- Operating Temperature Range -60°C to 200°C

Chem-Gard® 200 Cable has excellent resistance to chemicals, abrasion and high heat. This flexible cable has been rated at conductor temperatures as high as 200°C (392°F) and as low as -60°C (-76°F). Chem-Gard cable is roughly forty percent smaller in diameter than SOOW cable allowing it to be used in areas with restricted space and in conduit. Chem-Gard 200 is available in many configurations of shielded and unshielded options as well as single or multi-conductors.



FEATURES & BENEFITS

1. FINELY STRANDED NICKEL-PLATED COPPER CONDUCTORS — For improved flexibility in dynamic applications and protection from corrosion and oxidation in chemical and high temperature environments.

2. 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.

3. HIGH TEMPERATURE FLUOROPOLYMER FILLERS — Will not wick up contaminants into cable. Allows conductors to move freely within jacket for improved flexibility in dynamic applications.

4. 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).

5. OPTIONAL ULTRA-SHIELD CONSTRUCTION — 90% coverage heavy-duty nickel-plated copper braid shielding provides protection from EM and RF interference in addition to superior mechanical strength in abusive environments.

6. 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 with restricted space.

ADD CHEM-GARD® QUICK-CONNECTS™ TO COMPLETE YOUR ORDER!
Find out more at www.tpcwire.com or call 800-521-7935.



APPLICATIONS

- Conveyors
- Motor Operated Valves
- Kiln Fans
- Pumps
- Emergency Isolation Valves
- Furnaces

CONDUCTOR COLOR CODE

NO.	COLOR	NO.	COLOR
1	BLACK	7	WHITE/BLACK
2	WHITE	8	RED/BLACK
3	RED	9	GREEN/BLACK
4	GREEN	10	ORANGE/BLACK
5	ORANGE	11	BLUE/BLACK
6	BLUE	12	BLACK/WHITE

ORDERING INFORMATION (MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

UNSHIELDED MULTI-CONDUCTOR (Additional Configurations Available)					
PART NO.	CONFIGURATION (AWG/COND)	STRANDING (STRANDS/AWG)	NOMINAL O.D. (IN)	AMPACITY ¹	WT. (LBS) PER 1000'
42804	18/4	41/34	0.200	19	42
42805	18/5	41/34	0.230	15	55
42812	18/12	41/34	0.305	9	105
42604	16/4	65/34	0.230	25	59
42612	16/12	65/34	0.370	12	152
42404	14/4	105/34	0.270	36	86.5
42412	14/12	105/34	0.425	16	210
42204	12/4	65/30	0.345	45	133.5

NOTE: (1) Ampacities are based on not more than three current carrying conductors, 40°C (104°F) ambient temperature, 200°C (392°F) conductor temperature.
(2) Ampacities are based on a single conductor in free air, 40°C (104°F) ambient temperature, 200°C (392°F) conductor temperature.

UNSHIELDED SINGLE CONDUCTOR (Additional Configurations Available) — Continued On Next Page

PART NO.	CONFIGURATION (AWG/COND)	STRANDING (STRANDS/AWG)	NOMINAL O.D. (IN)	AMPACITY ²	WT. (LBS) PER 1000'
42901	1	817/30	0.437	344	340
42902	2	665/30	0.401	293	277
42904	4	133/25	0.305	220	170
42906	6 BLACK	133/27	0.252	165	111
42906YLW	6 YELLOW	133/27	0.252	165	111
42906RED	6 RED	133/27	0.252	165	111
42906WHT	6 WHITE	133/27	0.252	165	111
42906ORG	6 ORANGE	133/27	0.252	165	111
42906GRN	6 GREEN	133/27	0.252	165	111
42906BRN	6 BROWN	133/27	0.252	165	111
42906BLU	6 BLUE	133/27	0.252	165	111
42908	8 BLACK	133/29	0.211	124	73
42908YLW	8 YELLOW	133/29	0.211	124	73
42908RED	8 RED	133/29	0.211	124	73
42908ORG	8 ORANGE	133/29	0.211	124	73
42908GRN	8 GREEN	133/29	0.211	124	73
42908BRN	8 BROWN	133/29	0.211	124	73
42908BLU	8 BLUE	133/29	0.211	124	73
42881	18 BLACK	41/34	0.068	24	6.8
42882	18 WHITE	41/34	0.068	24	6.8
42883	18 RED	41/34	0.068	24	6.8
42884	18 GREEN	41/34	0.068	20	6.8
42885	18 BROWN	41/34	0.068	20	6.8
42886	18 ORANGE	41/34	0.068	20	6.8
42887	18 YELLOW	41/34	0.068	20	6.8
42888	18 BLUE	41/34	0.068	20	6.8
42661	16 BLACK	65/34	0.078	37	10.4
42662	16 WHITE	65/34	0.078	37	10.4
42663	16 RED	65/34	0.078	37	10.4
42664	16 GREEN	65/34	0.078	37	10.4
42665	16 BROWN	65/34	0.078	37	10.4
42666	16 ORANGE	65/34	0.078	37	10.4
42667	16 YELLOW	65/34	0.078	37	10.4
42668	16 BLUE	65/34	0.078	37	10.4
42441	14 BLACK	105/34	0.094	54	15.5
42442	14 WHITE	105/34	0.094	54	15.5
42443	14 RED	105/34	0.094	54	15.5
42444	14 GREEN	105/34	0.094	54	15.5
42445	14 BROWN	105/34	0.094	54	15.5
42446	14 ORANGE	105/34	0.094	54	15.5
42447	14 YELLOW	105/34	0.094	54	15.5
42448	14 BLUE	105/34	0.094	54	15.5
42221	12 BLACK	65/30	0.124	68	24.6
42222	12 WHITE	65/30	0.124	68	24.6
42223	12 RED	65/30	0.124	68	24.6
42224	12 GREEN	65/30	0.124	68	24.6
42225	12 BROWN	65/30	0.124	68	24.6

NOTE: (1) Ampacities are based on not more than three current carrying conductors, 40°C (104°F) ambient temperature, 200°C (392°F) conductor temperature.
(2) Ampacities are based on a single conductor in free air, 40°C (104°F) ambient temperature, 200°C (392°F) conductor temperature.

Chem-Gard® 200 Cable (Continued)

UNSHIELDED SINGLE CONDUCTOR (Additional Configurations Available) — Continued From Previous Page

PART NO.	CONFIGURATION (AWG/COND)	STRANDING (STRANDS/AWG)	NOMINAL O.D. (IN)	AMPACITY ²	WT. (LBS) PER 1000'
42226	12 ORANGE	65/30	0.124	68	24.6
42227	12 YELLOW	65/30	0.124	68	24.6
42228	12 BLUE	65/30	0.124	68	24.6
42229	12 PURPLE	65/30	0.124	68	24.6
42230	12 PINK	65/30	0.124	68	24.6
42231	12 GRAY	65/30	0.124	68	24.6
42301	10 BLACK	105/30	0.134	90	38.5
42302	10 WHITE	105/30	0.134	90	38.5
42303	10 RED	105/30	0.134	90	38.5
42304	10 GREEN	105/30	0.134	90	38.5
42305	10 BROWN	105/30	0.134	90	38.5
42306	10 ORANGE	105/30	0.134	90	38.5
42307	10 YELLOW	105/30	0.134	90	38.5
42308	10 BLUE	105/30	0.134	90	38.5

NOTE: (1) Ampacities are based on not more than three current carrying conductors, 40°C (104°F) ambient temperature, 200°C (392°F) conductor temperature.
 (2) Ampacities are based on a single conductor in free air, 40°C (104°F) ambient temperature, 200°C (392°F) conductor temperature.

SHIELDED MULTI-CONDUCTOR (Additional Configurations Available)

PART NO.	CONFIGURATION (AWG/COND.)	STRANDING (STRANDS/AWG)	NOMINAL O.D. (IN)	AMPACITY ¹	WT. (LBS) PER 1000'
42066	18/3	41/34	0.208	19	46
42060	18/4	41/34	0.220	19	56
42064	18/12	41/34	0.345	9	123
420612	16/2	65/30	0.215	32	35
420613	16/3	65/30	0.232	32	46
42061	16/4	65/34	0.245	25	77
42065	16/12	65/34	0.385	12	176
42062	14/4	105/34	0.290	36	104
42063	12/4	65/30	0.370	45	154

NOTE: (1) Ampacities are based on not more than three current carrying conductors, 40°C (104°F) ambient temperature, 200°C (392°F) conductor temperature.

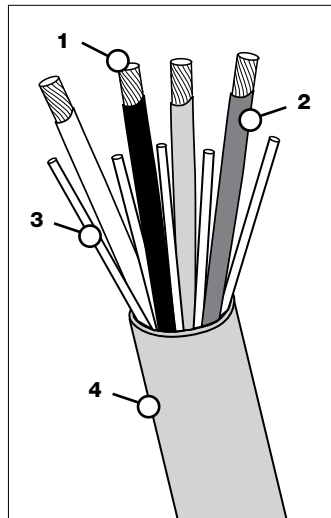
CHEM-GARD™ CHEMICAL RESISTANCE (CHART 1)

CHEMICAL	FLOUROPOLYMER	ETFE	FEP
Oxidation Resistance	Excellent	Excellent	Excellent
Oil	Excellent	Excellent	Excellent
UV Rays	Excellent	Excellent	Excellent
Water	Excellent	Excellent	Excellent
Acid	Excellent	Excellent	Excellent
Alkali	Excellent	Excellent	Excellent
Gasoline/Kerosene	Excellent	Excellent	Excellent
Benzol Toluene	Excellent	Excellent	Excellent
Degreaser Solvent	Excellent	Excellent	Excellent
Alcohol	Excellent	Excellent	Excellent

Chem-Gard® 150 Cable

- UL Recognized
- CSA
- 600 V
- FT-1 Flame Rating
- VW-1 Flame Rating
- RoHS Compliant
- Operating Temperature Range -60°C to 150°C

Chem-Gard® 150 Cable has excellent resistance to chemicals, abrasion and high heat. This flexible cable has been rated at conductor temperatures as high as 150°C (302°F) and as low as -60°C (-76°F). Chem-Gard® cable is roughly forty percent smaller in diameter than SOOW cable allowing it to be used in areas with restricted space and in conduit. Chem-Gard® 150 is available in many configurations of shielded and unshielded options as well as single or multi-conductors.



FEATURES & BENEFITS

1. FINELY STRANDED TINNED-PLATED COPPER CONDUCTORS — For improved flexibility in dynamic applications and protection from corrosion and oxidation in chemical and high temperature environments.

2. 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.

3. HIGH TEMPERATURE FLUOROPOLYMER FILLERS — Will not wick up contaminants into cable. Allows conductors to move freely within jacket for improved flexibility in dynamic applications.

4. 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 150°C (302°F).

5. OPTIONAL ULTRA-SHIELD CONSTRUCTION — 90% coverage heavy-duty nickel-plated copper braid shielding provides protection from EM and RF interference in addition to superior mechanical strength in abusive environments.

6. 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.

CONDUCTOR COLOR CODE:

Please refer to the chart on page 98.

APPLICATIONS

- Conveyors
- Motor Operated Valves
- Kiln Fans
- Pumps
- Emergency Isolation Valves
- Furnaces

ORDERING INFORMATION (MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

UNSHIELDED MULTI-CONDUCTOR (Additional Configurations Available)						
PART NO.	CONFIGURATION (AWG/COND)	STRANDING (STRANDS/AWG)	NOMINAL O.D. (IN)	AMPACITY ¹	WT. (LBS) PER 1000'	
42122	18/4	41/34	0.200	16	41	
42123	18/12	41/34	0.315	8	98	
42126	16/4	65/34	0.225	21	59	
42130	16/12	65/34	0.365	11	152	
42124	14/4	105/34	0.270	34	86	
42125	14/12	105/34	0.423	17	210	
42128	12/4	65/30	0.335	43	133	

UNSHIELDED SINGLE CONDUCTOR (Additional Configurations Available) — Continued On Next Page						
PART NO.	CONFIGURATION (AWG/COND)	STRANDING (STRANDS/AWG)	NOMINAL O.D. (IN)	AMPACITY ²	WT. (LBS) PER 1000'	
42197	1	817/30	0.437	293	340	
42190	2	665/30	0.401	255	277	
42185	4	133/25	0.305	190	170	
42180	6	133/27	0.252	155	111	
42170	8	133/29	0.211	106	73	
42161	18 BLACK	41/34	0.066	20	6.8	
42162	18 WHITE	41/34	0.066	20	6.8	
42163	18 RED	41/34	0.066	24	6.8	
42164	18 GREEN	41/34	0.066	24	6.8	

NOTE: (1) Ampacities are based on not more than three current carrying conductors, 40°C (104°F) ambient temperature, 150°C (302°F) conductor temperature.
 (2) Ampacities are based on a single conductor in free air, 40°C (104°F) ambient temperature, 150°C (302°F) conductor temperature.

UNSHIELDED SINGLE CONDUCTOR <i>(Additional Configurations Available)</i> — Continued From Previous Page						
PART NO.	CONFIGURATION (AWG/COND)	STRANDING (STRANDS/AWG)	NOMINAL O.D. (IN)	AMPACITY ²	WT. (LBS) PER 1000'	
42165	18 BROWN	41/34	0.066	24	6.8	
42166	18 ORANGE	41/34	0.066	24	6.8	
42167	18 YELLOW	41/34	0.066	24	6.8	
42168	18 BLUE	41/34	0.066	24	6.8	
42151	16 BLACK	65/34	0.076	32	10.4	
42152	16 WHITE	65/34	0.076	32	10.4	
42153	16 RED	65/34	0.076	32	10.4	
42154	16 GREEN	65/34	0.076	32	10.4	
42155	16 BROWN	65/34	0.076	32	10.4	
42156	16 ORANGE	65/34	0.076	32	10.4	
42157	16 YELLOW	65/34	0.076	32	10.4	
42158	16 BLUE	65/34	0.076	32	10.4	
42141	14 BLACK	105/34	0.092	46	15.5	
42142	14 WHITE	105/34	0.092	46	15.5	
42143	14 RED	105/34	0.092	46	15.5	
42144	14 GREEN	105/34	0.092	46	15.5	
42145	14 BROWN	105/34	0.092	46	15.5	
42146	14 ORANGE	105/34	0.092	46	15.5	
42147	14 YELLOW	105/34	0.092	46	15.5	
42148	14 BLUE	105/34	0.092	46	15.5	
42131	12 BLACK	65/30	0.124	60	24.6	
42132	12 WHITE	65/30	0.124	60	24.6	
42133	12 RED	65/30	0.124	60	24.6	
42134	12 GREEN	65/30	0.124	60	24.6	
42135	12 BROWN	65/30	0.124	60	24.6	
42136	12 ORANGE	65/30	0.124	60	24.6	
42137	12 YELLOW	65/30	0.124	60	24.6	
42138	12 BLUE	65/30	0.124	60	24.6	
42101	10 BLACK	105/30	0.142	80	38.5	
42102	10 WHITE	105/30	0.142	80	38.5	
42103	10 RED	105/30	0.142	80	38.5	
42104	10 GREEN	105/30	0.142	80	38.5	
42105	10 BROWN	105/30	0.142	80	38.5	
42106	10 ORANGE	105/30	0.142	80	38.5	
42107	10 YELLOW	105/30	0.142	80	38.5	
42108	10 BLUE	105/30	0.142	80	38.5	

SHIELDED MULTI-CONDUCTOR <i>(Additional Configurations Available)</i>						
PART NO.	CONFIGURATION (AWG/COND.)	STRANDING (STRANDS/AWG)	NOMINAL O.D. (IN)	AMPACITY ¹	WT. (LBS) PER 1000'	
42114	18/3	65/36	0.205	16	46	
42115	18/4	41/34	0.220	16	56	
42119	18/12	41/34	0.345	8	123	
421162	16/2	65/30	0.215	21	35	
421163	16/3	65/30	0.232	21	46	
42116	16/4	65/34	0.245	21	77	
42120	16/12	65/34	0.385	11	176	
42117	14/4	105/34	0.290	34	104	
42118	12/4	65/30	0.370	43	154	

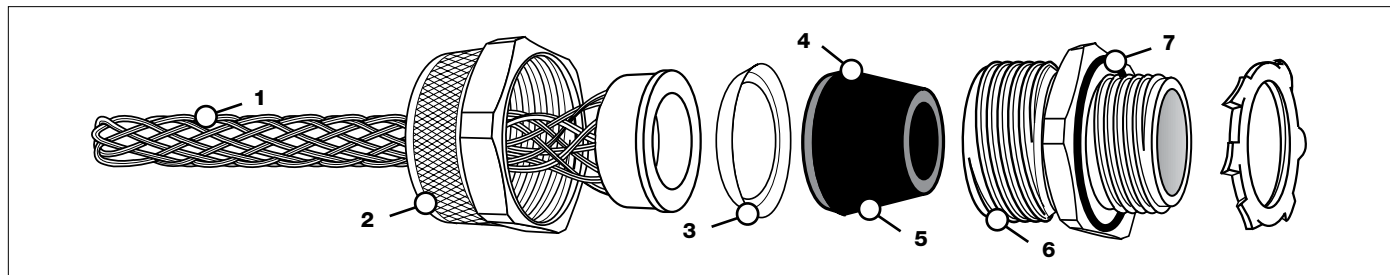
NOTE: (1) Ampacities are based on not more than three current carrying conductors, 40°C (104°F) ambient temperature, 150°C (302°F) conductor temperature.
 (2) Ampacities are based on a single conductor in free air, 40°C (104°F) ambient temperature, 150°C (302°F) conductor temperature.

Portable Cords
 Power Cables (600 Volt to 35 KV)
 Welding Cables
 VFD/Servo Motor Cables
 Reeling Cables
 Control Cables/Instrumentation
 Bus Cables
 Flat Epsilon Cables
 Retractive Coil Cables
 Chemical & Temp. Resistant Cables
 High Temperature Cables
 Igniter Cables
 Thermocouple Extension Wires
 Engineered Custom Cables

Kord-Gard® Mesh Cord Grips

- UL Listed
- CSA
- RoHS Compliant
- Extra Hard-Duty Strain Relief
- Straight & 90° Configurations

Each Grip-Seal® package includes the grip-seal body, O-ring and locking nut. Our aluminum compression bushing and threaded body is resistant to corrosion and weathering, and has a maximum operating temperature of 250°F. The nickel-plated friction ring provides a uniform compression for a proper environmental seal against dust, moisture and chemicals. The full double-woven stainless steel mesh is a unique drop-in basket design for easier assembly and provides exceptional gripping, strength, a longer cord life and resists corrosion.



FEATURES & BENEFITS

1. FULL DOUBLE-WOVEN STAINLESS STEEL MESH — Provides exceptional gripping strength, longer life. Resists corrosion.

2. UNIQUE DROP-IN BASKET DESIGN — Easier assembly.

3. NICKEL-PLATED FRICTION RING — Provides uniform compression for a proper seal. Prevents bushing damage.

4. SYNTHETIC SEALING BUSHING — Seals out water, oil, and other contaminants. 250°F maximum operating temperature.

5. MULTIPLE BUSHING SIZES — Covers a broad range of cord and cable sizes.

6. ALUMINUM COMPRESSION BUSHING AND THREADED BODY — Resistant to corrosion and weathering. Easy attachment to pendants and electrical enclosures. Available in both a 90° and straight configuration.

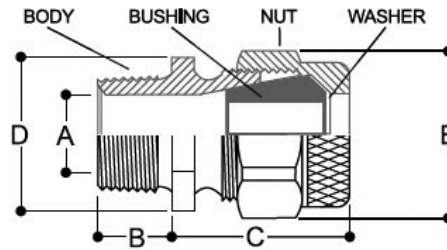
7. SEALING O-RING AND LOCKNUT — Seals out oil, chemicals and other contaminants. Locknut included with each unit.

ORDERING INFORMATION (MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

PART NO.		CORD O.D. RANGE (IN)	FITTING SIZE	NUMBER OF BUSHINGS	KNOCK-OUT DRILL SIZE
STRAIGHT	90°				
55405	59405	0.124 – 0.312	3/8" NPT	3	11/16"
55410	59410	0.250 – 0.438	3/8" NPT	3	11/16"
55415	59415	0.312 – 0.500	1/2" NPT	3	7/8"
55420	59420	0.437 – 0.625	1/2" NPT	3	7/8"
55430	59430	0.562 – 0.750	3/4" NPT	2	1-1/8"
55440	59440	0.687 – 0.875	3/4" NPT	1	1-1/8"
55445	59445	0.745 – 1.000	1" NPT	2	1-3/8"
55450	59450	0.870 – 1.125	1-1/4" NPT	2	1-3/4"
55455	59455	1.105 – 1.375	1-1/4" NPT	2	1-3/4"
55460	59460	1.320 – 1.562	2" NPT	2	2-3/8"
55465	59465	1.413 – 1.655	2" NPT	2	2-3/8"
55470	—	1.68 – 1.81	2" NPT	1	2-3/8"
55471	—	1.81 – 2.06	2" NPT	1	2-3/8"
55474	—	2.06 – 2.43	2-1/2" NPT	3	2-7/8"
55437	—	2.188 – 2.312	3" NPT	1	3-1/2"

Kord-Gard® Mesh Cord Grips *(Continued)*

SPECIFICATIONS



STRAIGHT KORD-GARD® DIMENSION TABLE

PART NO.	FITTING SIZE	A: BODY BORE (IN)	B (IN)	C (IN)	D: BODY HEX. (IN)	E: NUT DIA. (IN)
55405 / 55410	3/8" NPT	0.47	0.44	0.96	0.88	0.96
55415 / 55420	1/2" NPT	0.62	0.54	1.40	1.25	1.53
55430	3/4" NPT	0.80	0.57	1.42	1.25	1.53
55440	3/4" NPT	0.81	0.57	1.49	1.37	1.72
55445	1" NPT	1.06	0.69	1.91	2.00	2.47
55450 / 55455	1-1/4" NPT	1.32	0.69	1.80	2.00	2.00
55460 / 55465	2" NPT	2.00	0.80	2.39	2.83	2.97
55437 / 5470	2" NPT	1.90	0.80	3.32	4.00	4.20
55471 / 55474	2" NPT	1.90	0.80	3.32	4.00	4.20

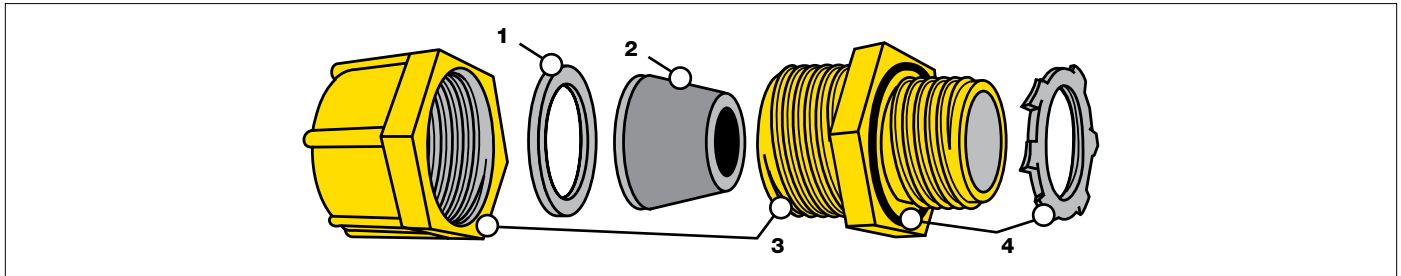
90° KORD-GARD® DIMENSION TABLE

PART NO.	FITTING SIZE	A: BODY BORE (IN)	B (IN)	C (IN)	D (IN)	E: BODY HEX. (IN)	F: NUT DIA. (IN)	G (IN)
59405 / 59410	3/8" NPT	0.45	0.44	1.51	2.00	0.98	0.99	1.31
59415 / 59420	1/2" NPT	0.58	0.56	1.88	2.39	1.03	1.33	1.50
59430 / 59440	3/4" NPT	0.76	0.63	2.25	2.88	1.25	1.52	1.94
59445	1" NPT	0.99	0.63	2.41	3.13	1.44	1.70	2.00
59450 / 59455	1-1/4" NPT	1.28	0.69	3.19	4.41	2.13	2.55	2.69
59460 / 59465	2" NPT	1.90	0.81	4.03	5.56	2.81	3.25	3.19

Nylon Straight and 90° Grip-Seals®

- UL Listed
- CSA
- RoHS Compliant
- Liquid Tight Seal
- Strain Relief
- Corrosion Resistant
- Straight and 90° Configurations

Each Grip-Seal® package includes the grip-seal body, O-ring and locking nut. Our nylon friction ring provides uniform compression for a proper seal. It prevents bushing damage and results in a tight, uniform seal on the cord surface which seals out oil, chemicals and other contaminants.



FEATURES & BENEFITS

1. NYLON FRICTION RING — Provides uniform compression for a proper seal. Prevents bushing damage and results in a tight, uniform seal on the cord surface.

2. MULTIPLE SYNTHETIC SEALING BUSHINGS INCLUDED WITH EACH PRODUCT — One part number covers a variety of cord diameters. Seals out water, oil, metal particles and other contaminants.

3. SECURITY YELLOW NYLON COMPRESSION NUT AND THREADED BODY — Resists impact and corrosion. Provides exceptional gripping strength. Easy to remove and reuse.

4. SEALING O-RING — Seals out oil, chemicals and other contaminants.

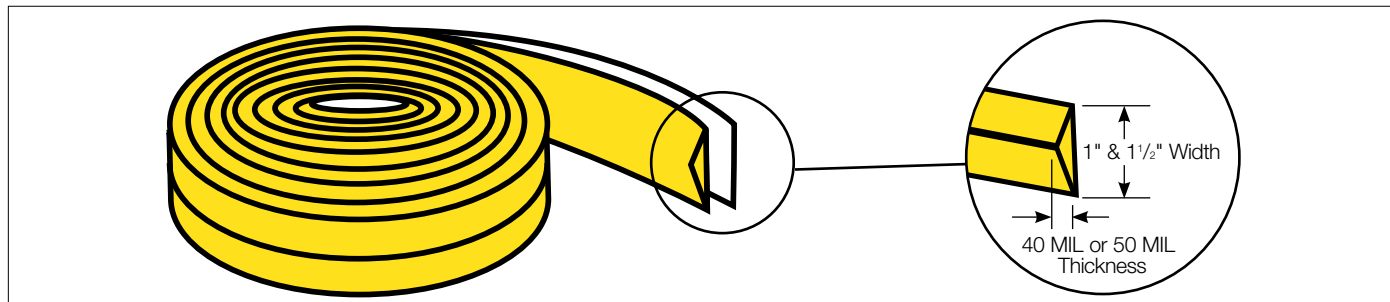
ORDERING INFORMATION (MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

PART NO.	CONFIGURATION	CORD DIAMETER RANGE	FITTING SIZE	NUMBER OF BUSHINGS	KNOCK-OUT DRILL SIZE
55505	Straight	0.180" – 0.430"	3/8" NPT	4	11/16"
55513	Straight	0.188" – 0.500"	1/2" NPT	5	7/8"
55516	Straight	0.188" – 0.625"	1/2" NPT	7	7/8"
55535	Straight	0.250" – 0.375"	1/2" NPT	2	7/8"
55515	Straight	0.312" – 0.625"	1/2" NPT	5	7/8"
555180	Straight	0.562" – 0.688"	1/2" NPT	5	7/8"
55530	Straight	0.560" – 0.750"	3/4" NPT	2	1-1/8"
555340	Straight	0.562" – 0.688"	3/4" NPT	1	1-1/8"
55592	90°	0.188" – 0.625"	1/2" NPT	7	7/8"
555189	90°	0.562" – 0.688"	1/2" NPT	5	7/8"
555349	90°	0.562" – 0.688"	3/4" NPT	1	1-1/8"
55593	90°	0.562" – 0.750"	3/4" NPT	2	1-1/8"

Vulko-Wrap® Insulating Tape (Yellow & Black)

- CID A-A-59163A, Type II
- Self-Vulcanizing Wrap
- High Dielectric Strength
- RoHS Compliant
- Temperature Rating -60°F to 400°F

Vulko-Wrap® is TPC's popular self-vulcanizing insulated wrap. Made of a specially compounded, synthetic silicone elastomer, this tape is resistant to oil, water, ozone and many chemicals. It has a high dielectric strength and can be used on all electrical connections. It sticks to itself without sticky residue and fully bonds in 24 hours yet remains pliable in the application. It remains effective in temperatures ranging from -60°F to +400°F. Vulko-Wrap is available in 40 or 50 mil thickness as well as a reinforced option. It comes in yellow and black.



FEATURES & BENEFITS

- 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.



Storage/Dispenser Box Available

Keep rolls protected and organized in sturdy, reusable, compact box

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

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.

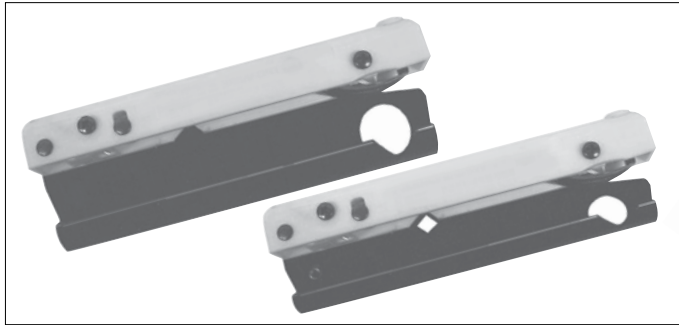
ORDERING INFORMATION (MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

PART NO.		NOMINAL THICKNESS	NOMINAL WIDTH	NOMINAL LENGTH	WRAP COLOR	GUIDELINE COLOR	DIELECTRIC STRENGTH/ PER MIL
1 ROLL	5 ROLL PACK						
98412	98412D	40 Mils	1 in (2.54 cm)	36 ft (1100 cm)	Yellow	Red	300 Volts
98512	98512D	50 Mils	1-1/2 in (3.81 cm)	36 ft (1100 cm)	Yellow	Black	275 Volts
98412BK	98412BKD	40 Mils	1 in (2.54 cm)	36 ft (1100 cm)	Black	Green	300 Volts
98512BK	98512BKD	50 Mils	1-1/2 in (3.81 cm)	36 ft (1100 cm)	Black	Yellow	275 Volts

Cable Stripper – Large & Small

- RoHS Compliant

The Large Diameter Cable Stripper can cut cable jackets from 3/8" to 7/8" outside diameter size. The Small Diameter Cable Stripper can cut cable jackets from 0.25" to 0.675" outside diameter size. It's compact and ergonomically designed to keep a good grip while stripping cable jackets. It has a calibrated micrometer dial to allow for precise depth of your cut. A free replacement blade is included in every tool. Safer to use than a knife or razor blade. Made in the U.S.A.



ORDERING INFORMATION

(MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

LARGE & SMALL DIAMETER	
PART NO.	CORD O.D. RANGE (IN)
91450	0.375 – 0.875 (Large Diameter)
91400	0.250 – 0.675 (Small Diameter)
11400	Replacement Blades

Wire Stripper & Cutter (Y500B)

- RoHS Compliant

Lightweight stripper and cutter for quick, easy wire processing. The unique stripping blades automatically adjust to the wire gauge and strips with a quick squeeze of the handles. Cutting blade is exposed by pushing the thumb notch forward, inserting the wire and squeezing the handle to cut.



ORDERING INFORMATION

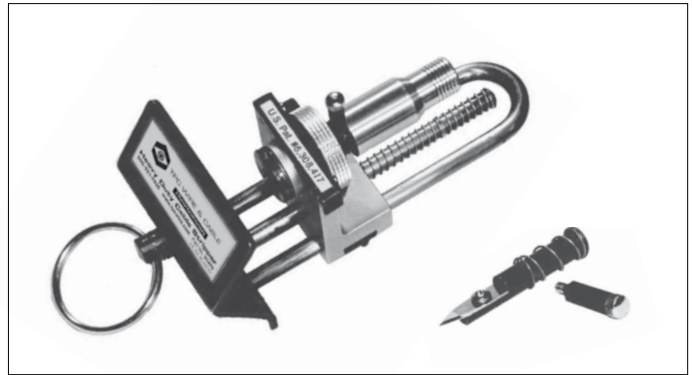
(MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

LARGE DIAMETER		
PART NO.	SIZES	CORD O.D. RANGE (IN)
Y500B	20-12 AWG	–

Heavy-Duty Cable Stripper

- RoHS Compliant

TPC's Heavy-Duty Cable Stripper is ideal for stripping rubber jacketed cable. All too often a box cutter is used which can be very dangerous. This tool will easily and safely strip the jacket of cables ranging from 1/4" up to 2-1/4". This cable stripper is easy to use, provides precise cuts and protects people from injury.



ORDERING INFORMATION

(MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

HEAVY-DUTY	
PART NO.	CORD O.D. RANGE (IN)
91470	0.25 – 2.25
11470	Replacement Blades

Wire Stripper (HY510B)

- RoHS Compliant

TPC's Wire Stripper is a durable tool that can strip cord with an outside diameter range of 0.0395" to 0.1260". It has an automatic function that prevents the crushing or cutting of the finest wires or wire filaments. A great addition to any electrician's tool box.



ORDERING INFORMATION

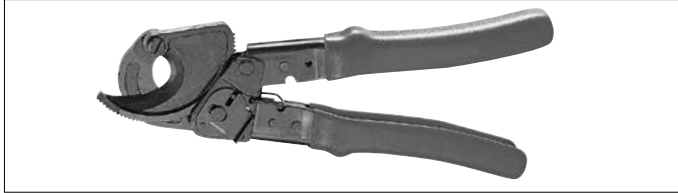
(MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

SMALL DIAMETER		
PART NO.	SIZES	CORD O.D. RANGE (IN)
HY510B	18-8 AWG	0.0395 – 0.1260

Ratcheting Cable Cutter

- RoHS Compliant

TPC's Ratcheting Cable Cutter can accommodate copper or aluminum cables up to 1-1/4" diameter. The precision ratcheting design provides added torque and makes it easy to cut large cables in tight spaces. The blades are hardened steel and can be resharpened, providing a longer life. The tool frame is made of carbon steel making it rust resistant. The handles are coated with anti-slip PVC providing a comfortable grip.



ORDERING INFORMATION

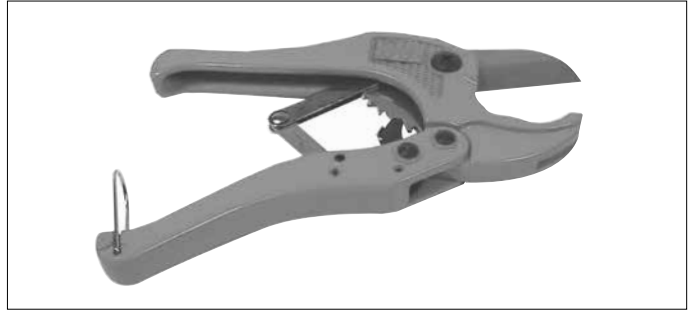
(MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

RATCHETING CABLE CUTTER	
PART NO.	CORD O.D. RANGE (IN)
91455	Up to 1.25

Cable Cutter

- RoHS Compliant

TPC's Cable Cutter is a durable tool that cleanly and easily cuts cord with an outside diameter range of 0.25" to 0.75". Cutter blade is replaceable.



ORDERING INFORMATION

(MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

CABLE CUTTER	
PART NO.	CORD O.D. RANGE (IN)
PVC100	0.25 – 0.75

Temperature Tag

- Temperature Range 90°C – 250°C (194°F – 482°F)
- One Time Use
- Immediate Response
- Oil and Water Resistant
- Self Adhesive Label

TPC WIRE & CABLE CORP.
EXPECT HIGH PERFORMANCE

°C	°F
250	482
200	392
150	302
125	257
105	221
90	194

WWW.TPCWIRE.COM
1-800-521-7935

The TPC Temperature Tag will allow you to choose the right cable for your environment. Temperature affects ampacity, with this tag, you can know, with certainty, what temperature range your application reaches. The tag changes color from orange to black. In the environment, black indicates highest temperature.

APPLICATIONS

- Conveyors
- Pumps
- Motor Operated Valves
- Emergency Isolation Valves
- Kiln Fans
- Furnaces
- Control Panels
- Any Hot Environment

ORDERING INFORMATION

(MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)

TEMPERATURE TAG	
PART NO.	SIZE (IN)
TEMPTAG-90C-250C	0.75 x 2