

Mining Cable

# Super-Trex® Type SHD-GC Cable

Super-Trex® Type SHD-GC Cables are ideal for mining applications where exposure to extensive abrasion, impact, vibration, tension and cut-through are common causes for cable failure. Designed for use in applications such as loaders, drills, conveyors, pumps, and jumbos, TPC's G-GC mining grade cable will withstand the harsh mining environment. This mining cable features an extra heavy-duty reinforced jacket that provides excellent protection against impact, abrasion and cut-through. Type SHD-GC cables are shielded medium voltage cables.



**Ratings**



Meets ICEA S-75-381

ASTM B-33

Max Conductor Temperature 90°C

Cold Temperature Rating -40°C

**Performance Characteristics**

- ✓ Bend Radius (Static): 6x Cable O.D.
- ✓ Bend Radius (Dynamic): 8x Cable O.D.

**Engineered to Resist**

- Flexing
- Abrasion
- Impact
- Tension

**Features & Benefits**

**Finely Stranded Tinned Copper Conductors**

Fine stranding improves flex-life and reduces conductor fatigue and breakage. Tinned conductors resist corrosion and are easier to solder.

**Ethylene Propylene Rubber (EPR) Insulation**

Provides excellent dielectric strength. Resists the effects of lubricating oils, coolants, cutting oils, acids, and most chemicals. Provides protection from moisture and heat.

**Extra Heavy-Duty Reinforced Jacket**

Provides excellent protection against impact, abrasion and cut-through.



**Ordering Information**

For complete product ordering information, please scan the QR Code or contact your TPC sales representative

**2,000 VOLTS**

Part No.	Configuration (AWG/ Conductor Count)	Ampacity*	Nominal O.D. (in.)	Grounding Conductors Size (AWG)	Weight per 1,000 ft. (lbs.)	Standard Cable Gland**
302600	6/3	93	1.26	10	1076	55014
302400	4/3	122	1.26	8	1308	55014
302200	2/3	159	1.55	6	1874	55014
302100	1/3	184	1.71	5	2340	55015
302010	1/0-3	211	1.81	4	2694	55015
302020	2/0-3	243	1.94	3	3301	55016
302030	3/0-3	279	2.07	2	3890	55017
302040	4/0-3	321	2.24	1	4701	55017
302250	250 kcmil-3 cond	355	2.44	1/0	5637	55020
302350	350 kcmil-3 cond	435	2.73	2/0	7194	55020
302500	500 kcmil-3 cond	536	3.1	4/0	9611	N/A

**Notes**

\*Ampacity based on ambient temperature 40°C.

\*\*Grip-Seals® Aluminum straight cable gland part number listed. Sizing based on nominal cable O.D. Due to process tolerances, a smaller/larger gland size may be required. Confirm NPT Fitting Size matches application.

\*\*\*When terminating type SHD-GC cables, follow the manufacturer's instructions included in the termination kit to ensure a safe and reliable termination.

# Super-Trex® Type SHD-GC Cable - Continued

**Ordering Information** For complete product ordering information, please scan the QR Code or contact your TPC sales representative

## 5,000 VOLTS

Part No.	Configuration (AWG/ Conductor Count)	Ampacity*	Nominal O.D. (in.)	Grounding Conductors Size (AWG)	Weight per 1,000 ft. (lbs.)	Standard Cable Gland**
305600	6/3	93	1.51	10	1543	55014
305400	4/3	122	1.6	8	1849	55015
305200	2/3	159	1.79	6	2358	55015
305100	1/3	184	1.88	5	2430	55016
305010	1/0-3	211	1.98	4	3176	55016
305020	2/0-3	243	2.12	3	3689	55017
305030	3/0-3	279	2.26	2	4320	55017
305040	4/0-3	321	2.51	1	4699	55020
305250	250 kcmil-3 cond	355	2.57	1/0	5825	55020
305350	350 kcmil-3 cond	435	2.83	2/0	7414	N/A
305500	500 kcmil-3 cond	536	3.18	4/0	9602	N/A

## 8,000 VOLTS

Part No.	Configuration (AWG/ Conductor Count)	Ampacity*	Nominal O.D. (in.)	Grounding Conductors Size (AWG)	Weight per 1,000 ft. (lbs.)	Standard Cable Gland**
308400	4/3	122	1.93	8	2152	55016
308200	2/3	159	2.02	6	2767	55016
308100	1/3	184	2.1	5	3131	55017
308010	1/0-3	211	2.21	4	3646	55017
308020	2/0-3	243	2.34	3	4161	N/A
308030	3/0-3	279	2.49	2	4912	55020
308040	4/0-3	321	2.63	1	5561	55020
308250	250 kcmil-3 cond	355	2.75	1/0	6445	55020
308350	350 kcmil-3 cond	435	3.05	2/0	8106	N/A
308500	500 kcmil-3 cond	536	3.39	4/0	10590	N/A

## 15,000 VOLTS

Part No.	Configuration (AWG/ Conductor Count)	Ampacity*	Nominal O.D. (in.)	Grounding Conductors Size (AWG)	Weight per 1,000 ft. (lbs.)	Standard Cable Gland**
315200	2/3	164	2.31	6	2973	55017
315100	1/3	187	2.4	5	3832	N/A
315010	1/0-3	215	2.52	4	4410	55020
315020	2/0-3	246	2.6	3	4830	55020
315030	3/0-3	283	2.79	2	5695	55020
315040	4/0-3	325	2.9	1	6381	N/A
315250	250 kcmil-3 cond	359	3.05	1/0	7260	N/A
315350	350 kcmil-3 cond	437	3.31	2/0	8861	N/A
315500	500 kcmil-3 cond	534	3.72	4/0	11590	N/A

### Notes

\*Ampacity based on ambient temperature 40°C.

\*\*Grip-Seals® Aluminum straight cable gland part number listed. Sizing based on nominal cable O.D. Due to process tolerances, a smaller/larger gland size may be required. Confirm NPT Fitting Size matches application.

\*\*\*When terminating type SHD-GC cables, follow the manufacturer's instructions included in the termination kit to ensure a safe and reliable termination.

Mining Cable

# Super-Trex® Type G-GC Cable

Super-Trex® Type G-GC Cables are ideal for mining applications where exposure to extensive abrasion, impact, vibration, tension and cut-through are common causes for cable failure. Designed for use in applications such as loaders, drills, conveyors, pumps, and jumbos, TPC's G-GC mining grade cable will withstand the harsh mining environment. This mining cable features an extra heavy-duty reinforced jacket that provides excellent protection against impact, abrasion and cut-through.



**Ratings** 2000V Meets ICEA S-75-381 Cold Temperature Rating -40°C

**Performance Characteristics** ✓ Bend Radius (Static): 6x Cable O.D. ✓ Bend Radius (Dynamic): 8x Cable O.D.

**Engineered to Resist** Flexing Abrasion Impact Tension

**Features & Benefits**

**Finely Stranded Tinned Copper Conductors**  
 Fine stranding improves flex-life and reduces conductor fatigue and breakage. Tinned conductors resist corrosion and are easier to solder.

**Ethylene Propylene Rubber (EPR) Insulation System**  
 Provides excellent dielectric strength. Resists the effects of lubricating oils, coolants, cutting oils, acids, and most chemicals. Provides protection from moisture and heat

**Specially Compounded Extra Heavy-Duty Reinforced TSE Jacket**  
 Offers superior first-line defense against tearing, abrasion, impact, oil, ozone, and most chemicals. Flame and heat resistant. Extreme all-weather flexibility.

**Ordering Information** For complete product ordering information, please scan the QR Code or contact your TPC sales representative

Part No. (Black Jacket)*	Configuration (AWG/ Conductor Count)	Ampacity**	Nominal O.D. (in.)	Grounding Conductors Size (AWG)	Weight per 1,000 ft. (lbs.)	Standard Cable Gland***
301800	8/3	59	0.99	10	670	55010
301600	6/3	79	1.05	10	802	55010
301400	4/3	104	1.19	8	1111	55010
301200	2/3	138	1.33	7	1529	55011
301100	1/3	161	1.51	6	1886	55014
301010	1/0-3	186	1.63	5	2325	55015
301020	2/0-3	215	1.73	4	2789	55015
301040	4/0-3	287	2.01	2	4027	55016
301250	250 kcmil-3 cond	320	2.35	1	5092	N/A
301350	350 kcmil-3 cond	394	2.64	1/0	6688	55020
301500	500 kcmil-3 cond	487	3.03	3/0	8877	N/A



**Notes**  
 \*Available in Orange Jacket with Insulated Grounds by adding suffix "O-IG" to part number.  
 \*\*Ampacity based on ambient temperature of 40°C  
 \*\*\*Grip-Seals® Aluminum straight cable gland part number listed. Sizing based on nominal cable O.D. Due to process tolerances, a smaller/larger gland size may be required. Confirm NPT Fitting Size matches application.  
 \*\*\*\*When terminating type G-GC cables, follow the manufacturer's instructions included in the termination kit to ensure a safe and reliable termination.