

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

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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

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