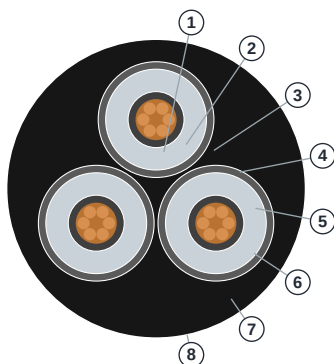




2.4kV Type SHD-GC Mining Cable

Copper · CPE-TP · 3-Conductor



CONSTRUCTION

- | | |
|----------------------------------|---|
| 1. Conductor | Tin coated, soft drawn, annealed, flexible, rope-lay stranded copper per ASTM B33/B172 |
| 2. Separator Tape | Non-conducting tape applied between the conductor and insulation to facilitate stripping |
| 3. Insulation | Ethylene Propylene Rubber (EPR) |
| 4. Braid Shield | Tin coated, soft drawn, annealed, copper braid shield (60% minimum coverage), combined with color coded nylon (Black, Blue, Red) or (Black, White, Red) with a 40% maximum coverage |
| 5. Ground Check Conductor | Tin coated, soft drawn, annealed, rope stranded, flexible lay copper per ASTM B33/B172 with high strength yellow, polypropylene insulation |
| 6. Ground Conductor | Two uninsulated, tin coated, soft drawn, annealed, rope stranded, flexible lay copper per ASTM B33/B172 |
| 7. Filler | Rubber Fillers as needed |
| 8. Reinforcement | Reinforcing twine applied over core |
| 9. Inner Jacket | Black, mold cured, extra heavy-duty integral fill, flame resistant, thermosetting Chlorinated Polyethylene (CPE) |
| 10. Reinforcement | Reinforcing twine applied between the two jacket layers |
| 11. Outer Jacket | Black, mold cured, extra heavy-duty, flame resistant, thermosetting Chlorinated Polyethylene (CPE). Alternate jacket colors available |
| 12. Reflective Stripe | Highly visible reflective stripe embedded into the outer jacket to increase safety and help prevent cable runover (optional, contact your sales representative for part number) |

APPLICATIONS & FEATURES

Type SHD-GC is a heavy-duty trailing cable where flexibility and maximum protection is required. For use with mobile, reeling, or stationary mining equipment, continuous mining machines, longwall mining systems, and blast hole drillers. It is also an excellent choice for shovels, draglines, dredges, cranes and marine shore-to-ship power supplies, and anytime extra-durable, flexible cable is required. Suitable for continuous submersion in water. Ground check conductor provides fail-safe ground monitoring. Embossed print legend for easy cable identification. Cold Bend and Impact Tested to -50°C. For vertical drop requirements consult with factory application specialist.

SPECIFICATIONS & STANDARDS

- ASTM B33 Standard Specification for Tin-Coated Soft or Annealed Copper Wire
- MSHA listed: passes MSHA flame test

TABLE 1 — DIMENSIONS & WEIGHTS

Tanner Part No.	Size AWG/kcmil	Thickness mil	Thickness mil	OD inch	Weight lb/1000ft	Color
05A-SHDGC-0010-01	10	70	85	1.290	1143	BK



Tanner Part No.	Size AWG/kcmil	Thickness mil	Thickness mil	OD inch	Weight lb/1000ft	Color
05A-SHDGC-0008-01	8	70	110	1.400	1456	BK
05A-SHDGC-0008-01T	8	110	135	1.860	2854	BK
05A-SHDGC-0008-01T 2	8	90	115	1.970	3058	BK
05A-SHDGC-0008-01T 3	8	85	200	2.310	4408	BK
05A-SHDGC-0008-01T 4	8	100	135	2.810	6127	BK
05A-SHDGC-0006-03	6	155	190	3.189	9406	RD

TABLE 2 — ELECTRICAL & ENGINEERING DATA

Tanner Part No.	Size AWG/kcmil	Min Bending Radius inch	Allowable Ampacity In 90°C Amp
05A-SHDGC-0179	179	10.3	93
05A-SHDGC-285M	285	11.2	122
05A-SHDGC-722M	722	14.8	211
05A-SHDGC-910M	910	15.7	243
05A-SHDGC-1447M	1447	18.4	321
05A-SHDGC-2394M	2394	22.4	435
05A-SHDGC-3420M	3420	25.5	487