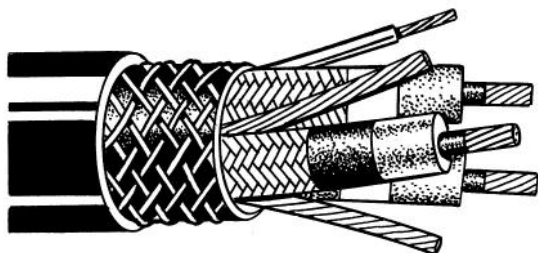


SHD-GC 2 kV



Product Description

EPR insulation
Thermoset jacket
90°C

Applications

For use with longwall miners, continuous miners, conveyors, pumps, drills, cutters and loaders. Suitable for high-voltage distribution in mines where portable power is required.

Specifications

- CONDUCTOR*: Rope-stranded, annealed, tinned copper
- INSULATION: Ethylene Propylene Rubber (EPR) per ICEA S-75-381 (NEMA WC58)
- SHIELD: Braided, tinned copper shield, or combination braid shield of tinned copper and nylon
- GROUND CONDUCTOR: Flexible stranded, coated, annealed copper
- GROUND CHECK CONDUCTOR: Insulated extra flexible stranded, annealed copper
- ASSEMBLY: Three conductors, two ground conductors and one ground check conductor, cabled with fillers as necessary to make round
- OVERALL JACKET: Thermoset compound
- STANDARDS: Meets the requirements of ICEA S-75-381, accepted by MSHA and marked with the manufacturer's P number
- AMPACITY: Based on an ambient temperature of 40°C per ICEA S-75-381, Table H-1
- TEMPERATURE: 90°C
- VOLTAGE: 2 kV

Electrical and Electronic Wire & Cable • Enterprise Cabling & Security Solutions • Fasteners

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Diameters and weights may vary among manufacturers.

Part No.	Conductor Size AWG/kcmil	No. of Strands	Insulation Thickness (in.)	Overall Jacket Thickness (in.)	Ground Wire Size AWG	Ground Check Size AWG	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
5S-0602	6	133	0.070	0.155	10	10	1.290	1,465	93
5S-0402	4	133	0.070	0.155	8	10	1.400	1,727	122
5S-0202	2	133	0.070	0.170	6	8	1.590	2,390	159
5S-0102	1	259	0.080	0.190	5	8	1.760	2,450	184
5S-1002	1/0	259	0.080	0.190	4	8	1.860	2,779	211
5S-2002	2/0	259	0.080	0.205	3	8	2.000	3,310	243
5S-3032	3/0	259	0.080	0.205	2	8	2.130	3,950	279
5S-4002	4/0	259	0.080	0.220	1	6	2.310	4,630	321
5S-2502	250	427	0.095	0.220	1/0	6	2.510	5,440	355
5S-3502	350	427	0.095	0.235	2/0	6	2.810	7,030	435
5S-5002	500	427	0.095	0.265	4/0	6	3.190	9,525	536

Conductor color code chart

Number of Conductors	Cable Types	Color Identification	Number of Conductors	Cable Types	Color Identification
2	All	Black, White	4	G Round	Black, White, Red, Orange
3	G or G-GC Round or Flat	Black, White, Red	4	W Round	Black, White, Red, Green
3	SHD-GC	Black, White, Red	5	W Round	Black, White, Red, Green, Orange
3	W Round and Flat	Flat Black, White, Green	Ground Check Conductor	SHD-GC, GGC and MPF-GC	Yellow

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