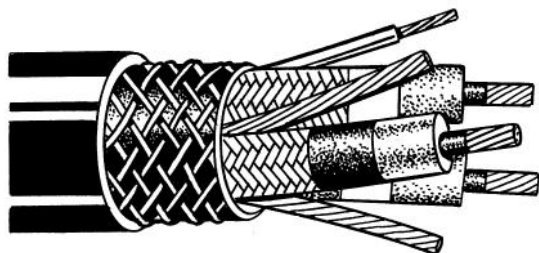


SHD-GC 5 kV, 8 kV or 15 kV

**Product Description**

EPR insulation
Thermoset jacket
90°C shielded

Applications

For use on open-pit mining shovels, dredges, cranes, drag lines or other mobile equipment requiring high-voltage cable lines capable of withstanding continuous flexing or reeling in severe operating environments.

Specifications

- CONDUCTOR: Rope-stranded, annealed, tinned copper
- STRAND SHIELD: Extruded semi-conducting compound or tape over conductor
- INSULATION: Ethylene Propylene Rubber (EPR) per ICEA S-75-381 (NEMA WC58)
- INSULATION 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 8 AWG annealed copper with yellow insulation
- ASSEMBLY: Three conductors, two ground conductors and one ground check conductor, cabled with rubber fillers as necessary to make round
- OVERALL JACKET: Braid-reinforced 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: 5 kV, 8 kV and 15 kV

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

Anixter Inc. World Headquarters • 2301 Patriot Boulevard, Glenview, IL 60026-8020 • 1.800.ANIXTER • 224.521.8000 • anixter.com

Anixter is a leading global supplier of communications and security products, electrical and electronic wire and cable, fasteners and other small components. We help our customers specify solutions and make informed purchasing decisions around technology, applications and relevant standards. Throughout the world, we provide innovative supply chain management solutions to reduce our customers' total cost of production and implementation.

Anixter does not manufacture the items described in this publication. Any applicable product warranties are provided by the manufacturers. To the fullest extent permitted by law, Anixter disclaims all warranties, either express or implied.

The information provided and any images shown are for descriptive purposes only. Anixter makes no warranty or representation, express or implied, about the accuracy or completeness of any information provided. Data and suggestions made in the publication are not to be construed as recommendations to purchase or as authorizations to use any products in violation of any law or regulation. All products are sold subject to Anixter's General Conditions of Sale.

5 kV

Diameters and weights may vary among manufacturers.

Part No.	Conductor Size AWG/kcmil	No. of Strands	No. of Conductors	Insulation Thickness (in.)	Overall Jacket Thickness (in.)	Ground Wire Size AWG	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
5S-0605	6	133	3	0.110	0.185	10	1.560	1,590	93
5S-0405	4	133	3	0.110	0.185	8	1.680	1,800	122
5S-0205	2	259	3	0.110	0.205	6	1.870	2,245	159
5S-0105	1	259	3	0.110	0.205	5	1.950	2,570	184
5S-1005	1/0	259	3	0.110	0.220	4	2.080	3,055	211
5S-2005	2/0	259	3	0.110	0.220	3	2.200	3,490	243
5S-3005	3/0	259	3	0.110	0.235	2	2.360	4,234	279
5S-4005	4/0	259	3	0.110	0.235	1	2.500	4,915	321
5S-3505	350	427	3	0.120	0.265	2/0	2.950	6,995	435
5S-5005	500	427	3	0.120	0.280	4/0	3.310	9,800	536

8 kV

Diameters and weights may vary among manufacturers.

Part No.	Conductor Size AWG/kcmil	No. of Strands	No. of Conductors	Insulation Thickness (in.)	Overall Jacket Thickness (in.)	Ground Wire Size AWG	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
5S-0408	4	133	3	0.150	0.205	8	1.940	2,020	122
5S-0208	2	259	3	0.150	0.220	6	2.120	2,477	159
5S-0108	1	259	3	0.150	0.220	5	2.210	2,855	184
5S-1008	1/0	259	3	0.150	0.220	4	2.320	3,255	211
5S-2008	2/0	259	3	0.150	0.235	3	2.460	3,820	243
5S-3008	3/0	259	3	0.150	0.220	2	2.620	4,520	279
5S-4008	4/0	259	3	0.150	0.250	1	2.750	5,202	321
5S-3508	350	427	3	0.150	0.280	2/0	3.200	8,010	435
5S-5008	500	427	3	0.150	0.295	4/0	3.560	10,220	536

15 kV

Diameters and weights may vary among manufacturers.

Part No.	Conductor Size AWG/kcmil	No. of Strands	No. of Conductors	Insulation Thickness (in.)	Overall Jacket Thickness (in.)	Ground Wire Size AWG	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
5S-0215	2	133	3	0.210	0.235	6	2.410	3,956	164
5S-0115	1	259	3	0.210	0.235	5	2.520	4,464	187
5S-1015	1/0	259	3	0.210	0.250	4	2.640	4,887	215
5S-2015	2/0	259	3	0.210	0.250	3	2.730	5,561	246
5S-3015	3/0	259	3	0.210	0.265	2	2.900	6,242	283
5S-4015	4/0	259	3	0.210	0.265	1	3.050	7,148	325

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

Anixter Inc. World Headquarters • 2301 Patriot Boulevard, Glenview, IL 60026-8020 • 1.800.ANIXTER • 224.521.8000 • anixter.com

Anixter is a leading global supplier of communications and security products, electrical and electronic wire and cable, fasteners and other small components. We help our customers specify solutions and make informed purchasing decisions around technology, applications and relevant standards. Throughout the world, we provide innovative supply chain management solutions to reduce our customers' total cost of production and implementation.

Anixter does not manufacture the items described in this publication. Any applicable product warranties are provided by the manufacturers. To the fullest extent permitted by law, Anixter disclaims all warranties, either express or implied.

The information provided and any images shown are for descriptive purposes only. Anixter makes no warranty or representation, express or implied, about the accuracy or completeness of any information provided. Data and suggestions made in the publication are not to be construed as recommendations to purchase or as authorizations to use any products in violation of any law or regulation. All products are sold subject to Anixter's General Conditions of Sale.

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

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

Anixter Inc. World Headquarters • 2301 Patriot Boulevard, Glenview, IL 60026-8020 • 1.800.ANIXTER • 224.521.8000 • anixter.com

Anixter is a leading global supplier of communications and security products, electrical and electronic wire and cable, fasteners and other small components. We help our customers specify solutions and make informed purchasing decisions around technology, applications and relevant standards. Throughout the world, we provide innovative supply chain management solutions to reduce our customers' total cost of production and implementation.

Anixter does not manufacture the items described in this publication. Any applicable product warranties are provided by the manufacturers. To the fullest extent permitted by law, Anixter disclaims all warranties, either express or implied.

The information provided and any images shown are for descriptive purposes only. Anixter makes no warranty or representation, express or implied, about the accuracy or completeness of any information provided. Data and suggestions made in the publication are not to be construed as recommendations to purchase or as authorizations to use any products in violation of any law or regulation. All products are sold subject to Anixter's General Conditions of Sale.