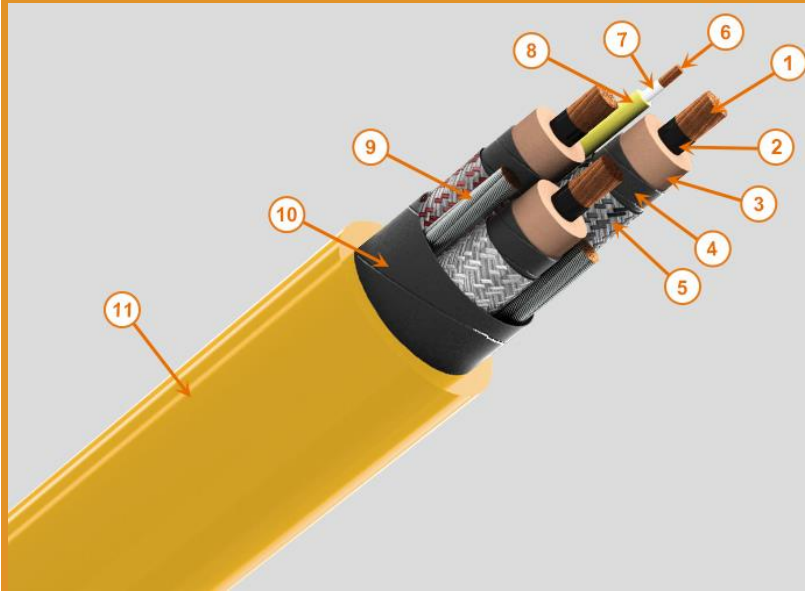


# SHD-GC, ROUND PORTABLE CABLES WITH GROUNDING CONDUCTORS, GROUND-CHECK CONDUCTOR AND TPU JACKET



## Description:

- 1- Flexible Annealed Plain Bare Copper Conductors.\*
- 2- Extruded Conductor Shielding.
- 3- EPR (Ethylene-Propylene Rubber) insulation, natural color
- 4- Extruded Insulation Shielding.
- 5- Combination Annealed Tinned Copper & Colored Textile Braid Shield over individual Phase Conductors
- 6- Flexible Annealed Copper Conductor.
- 7- Mylar tape.
- 8- Yellow XLP (Cross linked polyethylene) Insulated Ground Check Conductor
- 9- Stranded Annealed Uninsulated tinned Copper
- 10- Rubber-Faced Binder Tape.
- 11- Overall TPU (Thermoplastic Polyurethane) Jacket in different colors\*\*

\*Also available Flexible Annealed Tinned Copper Conductors, in order to protect it for sites with severe corrosion.  
 \*\*The jacket TPU could be provided yellow, orange, red, black, etc.

### Purpose:

- Mining equipment power line

### Properties:

- High reliability
- Low moisture absorption
- Flexible conductors
- Excellent flexibility
- Excellent acid resistance
- Excellent alkaline substance resistance
- Excellent high temperature resistance
- Excellent resistance to mechanical abuse
- Excellent abrasión resistance
- Excellent moisture resistance
- Excellent resistance to flame propagation
- Excellent tensile strength properties
- Excellent sunlight resistance
- Excellent oil resistance
- Excellent resistance to flattening and compression
- Excellent resistance to mechanical mistreatment
- Excellent ozone resistance
- Excellent tear strength properties
- Excellent mechanical resistance
- Personnel security

### Special features:

- The ground check conductor allows permanent monitoring of conductors connected to ground, providing maximum security to workers.
- "Extra Heavy Duty" TPU jacket are ideal for applications where maximum security and durability are required for Operator protection and are suitable for both underground and open pit mining rugged environments.

### Special features:

- Extra Heavy Duty (EHD) TPU Compound exceeds ICEA Standard S 75-381 testing requirements for Tensile Strength, Elongation, Abrasion Resistance, and Tear Resistance; excellent performance against mechanical abuse, continuity winding and unwinding, dragging, flattening, abrasion, tear, etc..

### Standard:

- ICEA S 75-381

### Voltage:

- 8 kV
- 15 kV

### Temperature:

- Normal - Operating 90 °C
- Emergency overload 130 °C
- Shortcircuit 250 °C

### Type of Installation:

- Visible (on the ground)

### Insulation compound:

- Ethylene-Propylene Rubber (EPR)

### Jacket compound:

- Thermoplastic Polyurethane (TPU)

### Product certification:

- Mine Safety Health Administration (MSHA)

### Quality certification:

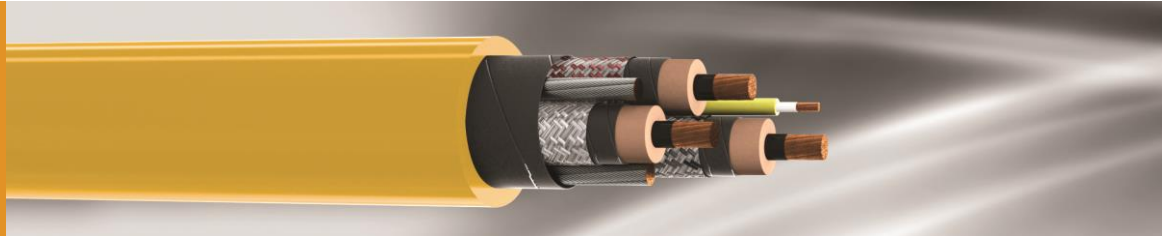
- ISO 9001:2015 Quality system certified by Bureau Veritas



### Ordering information:

- Round Cable type SHD-GC, Voltage, conductors size, jacket color (TPU), length in feet and product number

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Voltage (V)	Conductor size (AWG-kcmil)	Conductor cross section area (mm <sup>2</sup> )	Power conductors	Conductor diameter (mm)	Insulation Thickness (mm)	Insulation diameter (mm)	Grounding conductors	Grounding conductor size (AWG-kcmil)	Grounding conductor cross section area (mm <sup>2</sup> )	Ground check size (AWG)	Ground check diameter (mm)	Outside diameter (mm)	Approximate weight (lb/1000 ft)	Packing	Internal jacket color
8 000	2/0	67,4	3	10,60	3,81	19,53	2	3	26,67	4	6,52	61,85	3 830,4	REEL	YELLOW
8 000	2/0	67,4	3	10,60	3,81	19,53	2	3	26,67	2	8,15	61,71	3 853,7	REEL	ORANGE
8 000	3/0	85,0	3	11,91	3,81	20,83	2	2	33,62	4	6,52	65,78	4 468,3	REEL	YELLOW
8 000	3/0	85,0	3	11,91	3,81	20,83	2	2	33,62	2	8,15	65,78	4 535,8	REEL	YELLOW
8 000	4/0	107,0	3	13,36	3,81	22,28	2	1	42,41	4	6,52	69,03	5 221,9	REEL	YELLOW
8 000	4/0	107,0	3	13,36	3,81	22,28	2	1/0	53,50	8	3,94	69,04	5 266,3	REEL	YELLOW
8 000	4/0	107,0	3	13,36	3,81	22,28	2	1	42,41	2	8,15	69,05	5 238,5	REEL	YELLOW
15 000	2/0	67,40	3	10,60	5,33	22,66	2	2	33,62	6	5,26	68,59	4 326,0	REEL	ORANGE
15 000	2/0	67,40	3	10,60	5,33	22,66	2	3	26,67	2	8,15	68,67	4 468,7	REEL	YELLOW
15 000	2/0	67,40	3	10,60	5,33	22,66	2	2	33,62	8	3,94	68,67	4 394,1	REEL	YELLOW
15 000	2/0	67,40	3	10,60	5,33	22,66	2	3	26,67	4	6,52	68,67	4 393,3	REEL	YELLOW
15 000	4/0	107,0	3	13,36	5,33	25,41	2	1	42,41	4	6,52	76,61	5 872,3	REEL	YELLOW
15 000	4/0	107,0	3	13,36	5,33	25,41	2	1	42,41	6	5,26	76,61	5 847,1	REEL	YELLOW

- NOTES:**
- For constructions different to the ones shown please get in contact with our Technical Assistance Department.
  - These data are subjected to normal manufacturing tolerances
  - These products are not in stock.
  - The delivering could be in differents lengths or according manufacture standard