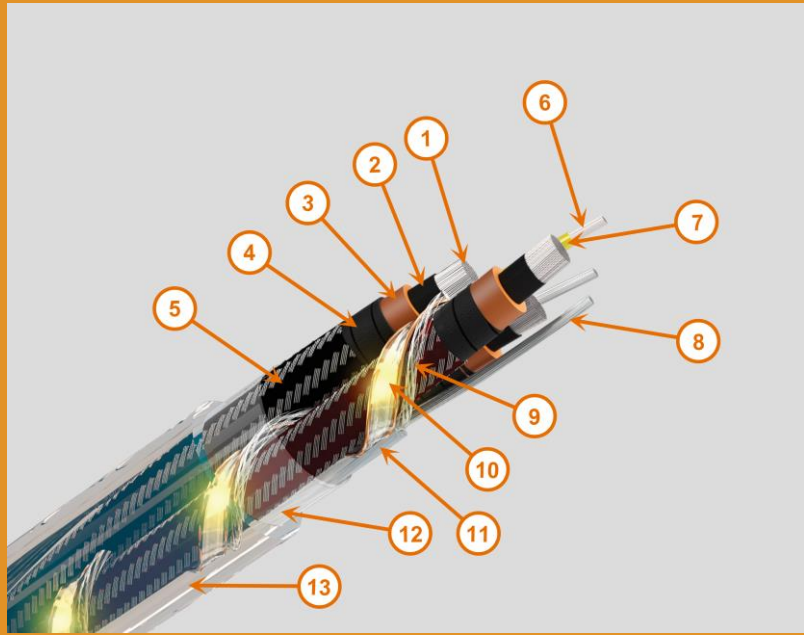


## SHD-GC, ROUND PORTABLE CABLES WITH GROUNDING CONDUCTORS GROUND CHECK, SELF SUFFICIENT LED'S FOR VISUAL CONTROL AND TRANSPARENT TPU JACKET



### Description:

- 1.- Flexible Annealed tinned 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 tinned Copper Conductor.
- 7.- Yellow XLP (Cross linked polyethylene) Insulated Ground Check Conductor
- 8.- Stranded Annealed Uninsulated tinned copper
- 9.- To unify the Ground between the braid shield of the Phases conductors and the LEDs devices is applied an annealed tinned copper braid shield
- 10.- Self-Sufficient LEDs as visual control device
- 11.- To conform internal circular way, is applied PVC flexible and Transparent
- 12.- Mylar Tape
- 13.- Overall transparent TPU (Thermoplastic Polyurethane) Jacket.

### 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 abuse
- Excellent ozone resistance
- Excellent tear strength properties
- Excellent mechanical resistance
- Personnel security

### Special features:

- "Extra Heavy Duty" TPU jacket, is 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:

- The transparent TPU Compound allows to visualize the self-sufficient LEDs devices from a long distance
- The Self-sufficients LEDs devices help to avoid damage to the cable caused by runovers from moving equipment, eliminating the possibility of electrical interruptions
- This kind of visual control provides maximum security in dark environments avoiding electrical shock to workers
- The Self-sufficient LEDs do not require any special internal connection when installing pluggs or joints
- The high clarity TPU compound not allow to the jacket be dullness despite the sun rays
- The outer jacket surface of the cable contain the follow marked:  
FT1 – FT5, ( -40 °C )

### Visibility of the cable in darkness:



"Maximun efficiency of visual control in dark on SHD-GC Cable"

### Standard:

- CSA C22.2 No. 96

### Certification:

- CSA 1365588

### Voltage:

- 5 kV
- 8 kV
- 15 kV

### Temperature:

- Normal continuous 90°C
- Overload 130°C
- Shortcircuit 250°C

### Type of Installation:

- Visible (on the ground)

### Insulation Compound:

- Ethylene-Propylene Rubber (EPR)

### Jacket Compound:

- Thermoplastic Polyurethane (TPU)

### Ordering information:

- Round SHD-GC cable, Voltage, conductors size, Self-sufficients LEDs devices, TPU Jacket & length in feet

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Voltage (V)	Calibre (AWG-kcmil)	Conductor size (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 Conductor diameter (mm)	Outside diameter (mm)	Approximate weight (kg/km)	Packing
5 000	4/0	107,2	3	14,77	2,86	21,55	2	1	42,40	6	5,14	76,05	8 402	REEL
8 000	2/0	67,43	3	11,62	3,90	20,48	2	3	26,70	4	6,49	74,86	7 080	REEL
8 000	3/0	85,01	3	13,09	3,90	21,95	2	2	33,60	4	6,49	77,89	8 101	REEL
8 000	4/0	107,2	3	14,77	3,90	23,25	2	1	42,40	4	6,49	80,43	9 117	REEL
15 000	2/0	67,43	3	11,62	5,46	23,59	2	3	26,70	4	6,49	80,34	7 870	REEL
15 000	4/0	107,2	3	14,77	5,46	26,75	2	1	42,40	4	6,49	87,28	10 216	REEL

- NOTES:**
- For constructions different from the ones shown please get in contact with our Technical Assistance Department.
  - Data is subject to normal manufacturing tolerances
  - These products are not in stock.
  - Delivery is possible in specific lengths