

# Type SHD-GC 90°C 8KV



## APPLICATION:

Type SHD-GC is for use in heavy duty medium voltage service as a power supply cable for mobile and portable mining equipment, loaders, drag lines, shovels, dredges and drills, where flex life is required, and for systems that require an internal ground check conductor for added safety. Type SHD-GC is for applications up to 8,000 volts and temperatures from -40°C to +90°C.

## CONDUCTORS:

- Flexible stranded tinned soft drawn copper conductor

## INSULATION:

- Ethylene-propylene rubber (EPR). Inner semiconductive rubber layer over the semiconductive tape

## CONDUCTOR SHIELD:

- Tinned copper wire braid/textile fiber (Red - White - Black)

## GROUNDING CONDUCTORS:

- Two flexible stranded tinned copper conductors in each cable

## GROUND CHECK CONDUCTOR:

- Flexible stranded tinned copper wire with yellow thermoset EP compound insulation

## INNER JACKET:

- Black, extra heavy duty CPE jacket reinforced with textile fibre antitwisting element on outside

## OUTER JACKET:

- Black, extra heavy duty CPE jacket overall

## STANDARDS:

- ICEA S-75-381/NEMA WC58 Portable and Power Feeder Cables for Use in Mines and Similar Applications
- ASTM B33
- FT1-FT5 Burn Rated
- Oil & Ozone Resistant

Part Number	Conductors	Grounds	Ground Check	Insulation Thickness	Outside Diameter	Appr. Cable Weight
	AWG/kcmil	AWG	AWG	inches	inches	lbs/kft
4-038KV-SHDGC	4	8	8	0.150	2.08	2,500
2-038KV-SHDGC	2	6	8	0.150	2.23	3,050
1-038KV-SHDGC	1	5	8	0.150	2.30	3,350
1/0-038KV-SHDGC	1/0	4	8	0.150	2.40	3,800
2/0-038KV-SHDGC	2/0	3	8	0.150	2.56	4,550
3/0-038KV-SHDGC	3/0	2	8	0.150	2.69	5,150
4/0-038KV-SHDGC	4/0	1	8	0.150	2.83	6,000
250-038KV-SHDGC	250	1/0	8	0.150	2.93	6,650
300-038KV-SHDGC	300	1/0	8	0.150	3.07	7,350
350-038KV-SHDGC	350	2/0	8	0.150	3.22	8,500
500-038KV-SHDGC	500	4/0	8	0.150	3.51	10,850

All values are nominal and subject to correction



1-800-945-5542  
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