



Caledonian

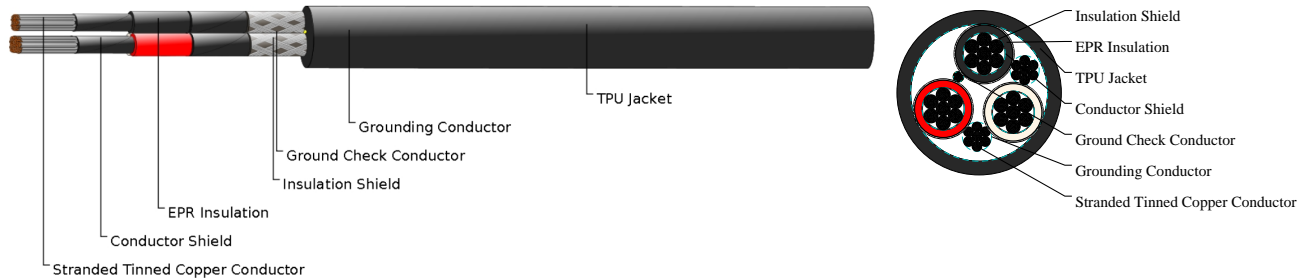
Mining Cables (ICEA & CSA Standard)

www.caledonian-cables.com

marketing@caledonian-cables.com

Portable Power Cables

Type SHD-GC Three-Conductor Round Portable Power Cable, TPU Jacket 8kV 3C500AWG



APPLICATIONS

These heavy duty cables are designed for heavy mobile equipment such as drag lines, shovels, dredges, drills and for power feeders.

STANDARDS

ICEA S-75-381/NEMA WC 58

ASTM B 172/ASTM B 33

CAN/CSA C22.2 No. 96

CABLE CONSTRUCTION

Conductors: Stranded annealed tinned copper conductor.

Insulation: Ethylene Propylene Rubber (EPR).

Insulation Shield: Conducting tape + Tinned copper/textile braid.

Ground Check Conductor: Tinned copper conductor with a yellow polypropylene insulation.

Grounding Conductor: Tinned copper conductor.

Jacket: Thermoplastic Polyurethane (TPU) Jacket, black.

Options:

Other jacket materials such as CPE/CSP/PCP/NBR/PVC are available upon request.

Two-layer jacket with reinforcing fibre between the two layers can be offered as an option.

COLOUR CODE

Conductor Identification According to ICEA S-75-381:

3 Cores: Black+White+Red

PHYSICAL AND THERMAL PROPERTIES

Minimum Bending Radius: $8 \times OD$

Maximum Conductor Operating Temperature: $+90^{\circ}C$

DIMENSION AND PARAMETERS



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No. of Cores	AWG Size	No. of Strands	Nominal Insulation Thickness	Nominal Insulation Thickness	Ground Wire	Ground Check Conduct	Nominal Jacket Thickness	Nominal Jacket Thickness	Approx. Overall Diameter	Approx. Overall Diameter	Approx. Weight	Ampacity
			in	mm	AWG	AWG	in	mm	in	mm	kg/km	amps
3	500	1221	0.15	3.8	4/0	6	0.295	7.5	3.56	90.4	15174	536