

EPR Insulated Portable Mining Cable, Type G-GC



Construction: The tin-coated copper conductor is insulated with ethylene-propylene rubber (EPR), the tin-coated bare ground wire is covered with green cotton braid and the uncoated ground check conductor is insulated with EPR and covered with yellow cotton braid. Three insulated conductors, two ground wires and a ground check are cabled together with extruded rubber fillers and sheathed with heavy duty two layers of black neoprene or Hypalon, with reinforcement braid of rayon fiber cord between the layers.



Application : Type G-GC cable is suitable for use as trailing cable on high voltage portable and mobile equipment such as dredges, shovels, draglines, and cranes. It is especially designed for high-wall open-pit and strip mines main power supply and for underground high voltage mine power systems where flexibility is desired. An insulated ground check conductor allows continuous monitoring of ground circuit integrity.



Rated Voltage: 600V to 2000 V.



Operating Temperature: Max permissible continuous operating temperature of conductor shall not exceed 90°C.



Bending Radius: 6D, D = Actual outer diameter of cable (mm).



Standard : ASTM B-172 and ASTM B-33, ICEA S-68-516, NEMA WC-8 or other standards required by customers.



Packing: Steel/Wooden Reel, Wooden Reel or Steel Reel.



Type, Description and Supply Range

Type	Description	Supply Range
G-GC	Type G-GC tin-coated conductor EPR insulated heavy duty two layer Hypalon or neoprene sheathed mining cable	3-core 8 to 4/0 AWG, 250 to 500MCM

EPR Insulated Portable Mining Cable, Type G-GC, 3-core

No. of Cores	Size	No. of strands	Approx. Overall Diameter	No. of Cores	Size	No. of strands	Approx. Overall Diameter
	AWG or MCM		inch		AWG or MCM		inch
3	8	133	0.97	3	2/0	259	1.75
3	6	259	1.05	3	3/0	427	1.89
3	4	259	1.19	3	4/0	427	2.04
3	2	259	1.34	3	250	427	2.39
3	1	259	1.51	3	350	427	2.68
3	1/0	259	1.65	3	500	427	3.03