

Product Data Sheet

Type G-GC Lead Cured



Product Description

Heavy duty
EPR insulation
Thermoset CPE jacket
90°C, 2 kV

Applications

For use as flexible power lead with portable or mobile equipment such as pumps, welders, mining machines and mine conveyor equipment.

Specifications

- CONDUCTOR: Rope-stranded, tinned copper per ASTM B172
- INSULATION: Ethylene Propylene Rubber (EPR) per ICEA S-75-381 (NEMA WC58)
- GROUND AND GROUND CHECK: Stranded, tinned copper
- ASSEMBLY: Three insulated conductors, two ground conductors and one yellow ground check conductor, cabled with fillers
- OVERALL JACKET: Lead cured thermoset compound
- STANDARDS: Meets the requirements of ICEA S-75-381, accepted by MSHA and marked with the manufacturer's P number, CSA C22.2 No. 96 certified
- AMPACITY: Based on an ambient temperature of 40°C and conductor temperature of 90°C per ICEA S-75-381 table. Additional ampacities available in 2008 NEC Table 400.5 (B).
- TEMPERATURE: -50°C to 90°C
- VOLTAGE: 2 kV

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CV cured available see 5F-XXXXC). Diameters, ground check size and weights may vary among manufacturers.

Part No.	Conductor Size AWG/kcmil	No. of Strands	No. of Conductors	Insulation Thickness (in.)	Ground Wire Size AWG	Ground Check Size AWG	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
5F-0803	8	133	3	0.060	10	10	0.970	597	59
5F-0603	6	133	3	0.060	10	10	1.050	764	79
5F-0403	4	259	3	0.060	8	10	1.190	1,070	104
5F-0203	2	259	3	0.060	7	10	1.340	1,533	138
5F-0103	1	259	3	0.080	6	8	1.510	1,865	161
5F-1013	1/0	259	3	0.080	5	8	1.650	2,315	186
5F-2023	2/0	259	3	0.080	4	8	1.750	2,750	215
5F-3033	3/0	259	3	0.080	3	8	1.890	3,330	249
5F-4043	4/0	259	3	0.080	2	8	2.040	4,095	287