

Type G-GC CV Cured



Product Description

EPR insulation
Thermoset 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, uncoated copper per ASTM B-172
- INSULATION: Ethylene Propylene Rubber (EPR)
- COLOR CODE: Black, white and red
- GROUND AND GROUND CHECK: Insulated, stranded copper
- ASSEMBLY: Three insulated conductors, two ground conductors and one yellow ground check conductor, cabled with fillers
- OVERALL JACKET: CV cured thermoset compound
- STANDARDS: Meets the requirements of ICEA S-75-381 (NEMA WC58), accepted by MSHA and marked with the manufacturer's P number, UL Listed Type G-GC per UL Subject 1650 requirements
- 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: -40°C to 90°C
- VOLTAGE: 2 kV

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Lead cured available upon request (5F-XXXX). 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 Number	Ground Wire Size AWG	Ground Check Size AWG	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
5F-0803C	8	133	3	0.060	2	10	10	0.970	682	59
5F-0603C	6	133	3	0.060	2	10	10	1.050	830	79
5F-0403C	4	133	3	0.060	2	8	10	1.190	1,128	104
5F-0203C	2	133	3	0.060	2	7	10	1.330	1,451	138
5F-0103C	1	133	3	0.080	2	6	8	1.490	1,856	161
5F-1013C	1/0	259	3	0.080	2	5	8	1.620	2,270	186
5F-2023C	2/0	259	3	0.080	2	4	8	1.750	3,020	215
5F-3033C	3/0	259	3	0.080	2	3	8	1.860	3,660	249
5F-4043C	4/0	259	3	0.080	2	2	8	1.970	4,147	287
5F-2503C	250	427	3	0.095	2	2	8	2.390	6,060	320
5F-3503C	350	427	3	0.095	2	1/0	8	2.680	7,058	394
5F-5003C	500	427	3	0.095	2	2/0	8	3.030	8,900	487

Conductor color code chart

Number of Conductors	Cable Types	Color Identification	Number of Conductors	Cable Types	Color Identification
2	All	Black, White	4	G Round	Black, White, Red, Orange
3	G or G-GC Round or Flat	Black, White, Red	4	W Round	Black, White, Red, Green
3	SHD-GC	Black, White, Red	5	W Round	Black, White, Red, Green, Orange
3	W Round and Flat	Flat Black, White, Green	Ground Check Conductor	SHD-GC, GGC and MPF-GC	Yellow

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