

Product Data Sheet

SOOW 105 C



Product Description

Thermoset rubber insulation
Thermoset polymer jacket
Extra flexible, heavy duty
105°C, 600 V

Applications

To provide portable electrical power for heavy-duty service such as tools, portable lights, battery chargers, and equipment exposed to oils, solvents, grease, moisture and weather. Excellent for low and high temperature service.

Specifications

- CONDUCTOR: Bare, annealed copper per ASTM B-3, stranded per ASTM B-174
- INSULATION: Premium grade 105°C thermoset rubber
- COLOR CODE: Per ICEA Method 1, Table E-1 except 3/C which is black, white, green
- ASSEMBLY: Insulated conductors are cabled with fillers as necessary to make round, a separator is applied over the assembly
- OVERALL JACKET: Yellow premium thermoset polymer compound
- STANDARDS: Meets UL and CSA requirements for 105°C Type SOOW
- AMPACITY: Based on a 30°C ambient temperature per 2008 NEC Table 400.5(A), the values are derated (where applicable) according to 2008 NEC 400.5
- TEMPERATURE: -50°C to 105°C
- VOLTAGE: 600 V

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Special water-resistant cable available, UL and CSA; 600 V, 90°C, black (e.g. 4AW-1404A). Diameters and weights may vary among manufacturers.

Part No.	Conductor Size AWG	No. of Strands	No. of Conductors	Insulation Thickness (in.)	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
4AX-1802-05	18	41	2	0.030	0.365	71	7
4AX-1803-05	18	41	3	0.030	0.380	82	10
4AX-1804-05	18	41	4	0.030	0.410	94	5.6
4AX-1602-05	16	65	2	0.030	0.390	82	13
4AX-1603-05	16	65	3	0.030	0.410	97	10
4AX-1604-05	16	65	4	0.030	0.450	111	8
4AX-1402-05	14	41	2	0.045	0.530	141	18
4AX-1403-05	14	41	3	0.045	0.560	165	15
4AX-1404-05	14	41	4	0.045	0.600	186	12
4AX-1202-05	12	65	2	0.045	0.600	178	25
4AX-1203-05	12	65	3	0.045	0.635	222	20
4AX-1204-05	12	65	4	0.045	0.670	275	16
4AX-1003-05	10	104	3	0.045	0.690	289	25
4AX-1004-05	10	104	4	0.045	0.750	339	20