

Product Data Sheet

SOOW 90 C



Product Description

Synthetic rubber insulation
Thermoset jacket
90 °C, 600 V

Applications

For use as portable electrical power and portable control cable. It can be used for ground test or motor leads. Also, it provides heavy-duty service for industrial tools, portable lights, battery chargers and equipment exposed to oils, solvents, flame and grease.

Specifications

- CONDUCTOR: Bare, annealed copper per ASTM B-3, flexible, bunch stranded per UL 62, a separator may be applied over the conductor
- INSULATION: Synthetic rubber per UL 62
- COLOR CODE: Per ICEA Method 1, Table E-1 (up to 21/C) 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: Black, oil-resistant thermoset compound per UL 62
- STANDARDS: Meets the UL 62 requirements for Type SOOW, also meets CSA requirements for Type SOOW, accepted by MSHA and printed with the manufacturer's P number
- 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 Article 400.5
- TEMPERATURE: 90 °C
- VOLTAGE: 600 V

Product Data Sheet

Other conductor counts available upon request. Diameters and weights may vary among manufacturers. For yellow jacket add -05 as a suffix to the Part No. (e.g., 4A-1603-05).

Part No.	Conductor Size AWG	No. of Strands	No. of Conductors	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
4A-1802	18	16	2	0.345	86	10
4A-1803	18	16	3	0.365	95	7
4A-1804	18	16	4	0.390	112	5.6
4A-1805	18	16	5	0.465	128	5.6
4A-1806	18	16	6	0.495	146	5.6
4A-1807	18	16	7	0.520	165	4.9
4A-1808	18	16	8	0.530	184	4.9
4A-1810	18	16	10	0.595	208	3.5
4A-1812	18	16	12	0.600	225	3.5
4A-1814	18	16	14	0.630	275	3.5
4A-1816	18	16	16	0.700	314	3.5
4A-1820	18	16	20	0.795	378	3.5
4A-1824	18	16	24	0.850	434	3.2
4A-1830	18	16	30	0.915	542	3.2
4A-1840	18	16	40	1.080	703	2.8
4A-1860	18	16	60	1.301	953	2.5
4A-1602	16	26	2	0.370	94	13
4A-1603	16	26	3	0.390	110	10
4A-1604	16	26	4	0.420	144	8
4A-1605	16	26	5	0.495	156	8
4A-1606	16	26	6	0.520	178	8
4A-1607	16	26	7	0.540	202	7
4A-1608	16	26	8	0.575	222	7
4A-1609	16	26	9	0.600	268	7
4A-1610	16	26	10	0.620	278	5
4A-1612	16	26	12	0.660	305	5
4A-1614	16	26	14	0.730	348	5
4A-1616	16	26	16	0.740	386	5
4A-1620	16	26	20	0.810	466	5
4A-1624	16	26	24	0.925	564	4.5
4A-1630	16	26	30	1.010	677	4.5
4A-1640	16	26	40	1.130	881	4
4A-1660	16	26	60	1.365	1,260	3.5
4A-1402	14	41	2	0.510	158	18
4A-1403	14	41	3	0.535	184	15
4A-1404	14	41	4	0.575	224	12
4A-1405	14	41	5	0.645	260	12
4A-1406	14	41	6	0.710	302	12
4A-1407	14	41	7	0.710	329	10.5
4A-1408	14	41	8	0.760	373	10.5
4A-1409	14	41	9	0.830	414	10.5
4A-1410	14	41	10	0.820	434	7.5
4A-1412	14	41	12	0.855	481	7.5
4A-1414	14	41	14	1.000	556	7.5
4A-1416	14	41	16	1.030	657	7.5
4A-1420	14	41	20	1.120	785	7.5
4A-1424	14	41	24	1.130	920	6.7

Product Data Sheet

4A-1430	14	41	30	1.335	1,138	6.7
4A-1437	14	41	37	1.445	1,400	6
4A-1440	14	41	40	1.500	1,429	6
4A-1460	14	41	60	1.925	2,156	5.25
4A-1202	12	65	2	0.570	204	25
4A-1203	12	65	3	0.595	244	20
4A-1204	12	65	4	0.650	282	16
4A-1205	12	65	5	0.715	322	16
4A-1206	12	65	6	0.740	380	16
4A-1207	12	65	7	0.790	435	14
4A-1208	12	65	8	0.825	475	14
4A-1209	12	65	9	0.900	550	14
4A-1210	12	65	10	1.000	581	10
4A-1212	12	65	12	1.010	645	10
4A-1214	12	65	14	1.020	743	10
4A-1216	12	65	16	1.135	840	10
4A-1220	12	65	20	1.170	1,005	10
4A-1224	12	65	24	1.435	1,225	9
4A-1230	12	65	30	1.455	1,450	9
4A-1240	12	65	40	1.645	1,990	8
4A-1260	12	65	60	2.090	2,780	7
4A-1002	10	105	2	0.620	250	30
4A-1003	10	105	3	0.660	310	25
4A-1004	10	105	4	0.715	371	20
4A-1005	10	105	5	0.770	425	20
4A-1006	10	105	6	0.875	485	20
4A-1007	10	105	7	0.900	593	17.5
4A-1008	10	105	8	0.935	650	17.5
4A-1010	10	105	10	1.020	760	12.5
4A-1012	10	105	12	1.070	850	12.5