

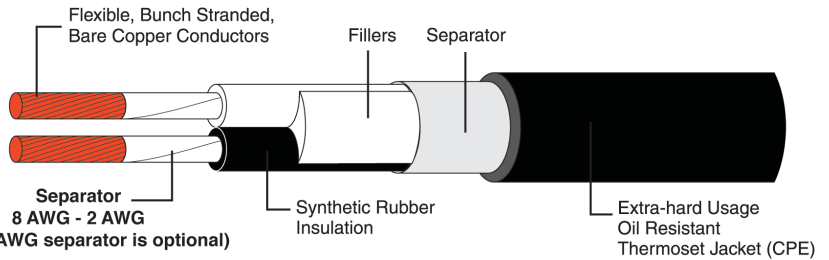
TYPE SOOW & SJOOW (BLACK JACKET)



Synthetic Rubber Insulation with Oil-Resistant Thermoset Jacket • SOOW 90°C (600V) • SJOOW 90°C (300V)

FEATURES

- UL listed (file no. E7362) as SOOW & SJOOW
- CSA certified (file no. LL8825) as SOOW & SJOOW
- OSHA acceptable
- MSHA listed
- Sunlight, water, and weather resistant per UL & CSA
- Resistant to oil, acid, impact, abrasion, water, flame and high temperature
- Passes MSHA flame test (P-136-MSHA)
- Maintains flexibility
- ICEA where applicable
- SOOW can also be used for special applications as outlined in NFPA 70 (N.E.C.) paragraph 501.10(B)(2) CL.1 Div. 2 locations and paragraph 501.140(B) CL.1 Div. 1 and 2.
- **Water Resistant**



APPLICATIONS

Type SOOW 90°C

Designed for **extra hard usage** with industrial equipment, heavy tools, battery chargers, portable lights and power extensions. SOOW is sunlight, water, oil and weather resistant and suitable for outdoor applications.

Type SJOOW 90°C

Designed for **hard usage** with portable tools, small motors and power extensions. Type SJOOW is sunlight, water, oil and weather resistant and suitable for outdoor applications.

CONSTRUCTION

Conductors

Bare, annealed copper per ASTM B-3 Flexible, bunch-stranded per UL-62 sizes 18 - 8 AWG Rope Lay sizes 6 - 2 AWG

Separator (when used)

A paper tape is applied between the conductor and insulation to facilitate stripping.

Insulation

Color coded synthetic rubber oil and water resistant per UL-62

Cabling

Conductors are assembled round with wax paper fillers as needed. A separator is applied over the assembly.

Jacket

Oil resistant Thermoset (black CPE) per UL-62

Color Coding

2/C: Black, White

3/C: Black, White, Green*

4/C: Black, White, Red, Green*

5/C: Black, White, Red, Green*, Orange

*Green conductor is used for grounding purposes only

Cable Identification

Surface print on jacket (listed types):

Example: "P-136-29-MSHA 14AWG 3/C SOOW 90°C 600V water resistant (UL)—A.I.W. Corp.—CSA -40°C FT1---RoHS"

Temperature Range

Type SOOW and SJOOW: 90°C to -40°C

Meets or exceeds all UL requirements for S, SO, SOO, SJ, SJO and SJOO.

PART NUMBER	CONDUCTORS		NOMINALS (INCHES)			AMPS ¹	STANDARD** LENGTHS PUT-UP	SHIP WT. LBS./M FT.
	NO.	AWG	STRAND	INSUL.	JACKET			

90°C UL/CSA TYPE SOOW • 600V

20694	2	18	16x30	.030	.060	.344	10	1 x 250' spl/ctn.	71
20696	3	18	16x30	.030	.060	.364	10	1 x 250' spl/ctn.	81
20698	4	18	16x30	.030	.060	.389	7	1 x 250' spl/ctn.	95
20701	2	16	26x30	.030	.060	.369	13	1 x 250' spl/ctn.	80
20702	3	16	26x30	.030	.060	.389	13	1 x 250' spl/ctn.	98
20709	4	16	26x30	.030	.060	.414	10	1 x 250' spl/ctn.	115
20710	2	14	41x30	.045	.080	.500	18	1 x 250' coil/ctn.	151
20711	3	14	41x30	.045	.080	.525	18	1 x 250' coil/ctn.	174
20716	4	14	41x30	.045	.080	.565	15	1 x 250' coil/ctn.	210
20719	2	12	65x30	.045	.095	.570	25	1 x 250' coil/ctn.	198
20720	3	12	65x30	.045	.095	.595	25	1 x 250' coil/ctn.	232
20726	4	12	65x30	.045	.095	.645	20	1 x 250' coil/ctn.	281
20730	2	10	104x30	.045	.095	.620	30	1 x 250' coil/ctn.	247
20731	3	10	104x30	.045	.095	.655	30	1 x 250' coil/ctn.	301
20734	4	10	104x30	.045	.095	.705	25	1 x 250' coil/ctn.	363

90°C UL/CSA TYPE SOOW POWER SIZE CABLES • 600V

33230	3	8	71x.015	.060	.110	.835	40	250'/1000' rls	477
33231	4	8	71x.015	.060	.125	.930	35	250'/1000' rls	616
39259	5	8	71x.015	.060	.125	1.008	35	250'/1000' rls	727
33232	3	6	133x.0142	.060	.125	.975	55	250'/1000' rls	670
33233	4	6	133x.0142	.060	.140	1.055	45	250'/1000' rls	837
39299	5	6	133x.0142	.060	.140	1.190	45	1000'/5000' rls	1038
33234	3	4	133x.0179	.060	.140	1.135	70	250'/1000' rls	956
33228	4	4	133x.0179	.060	.155	1.255	60	250'/1000' rls	1225
35526	5	4	133x.0179	.060	.155	1.380	60	250'/1000' rls	1424
39298	3	2	133x.0223	.060	.155	1.305	95	1000' rls	1310
33229	4	2	133x.0223	.060	.170	1.455	80	250'/1000' rls	1712
39300	5	2	133x.0223	.060	.170	1.500	80	1000' rls	2078

90°C UL/CSA TYPE SJOOW • 300V

20756	2	18	16x30	.030	.030	.283	10	4 x 250' spls/ctn.	48
20758	3	18	16x30	.030	.030	.303	10	4 x 250' spls/ctn.	59
20764	4	18	16x30	.030	.030	.329	7	1 x 250' spl/ctn.	72
20765	2	16	26x30	.030	.030	.308	13	4 x 250' spls/ctn.	61
20767	3	16	26x30	.030	.030	.329	13	1 x 250' spl/ctn.	75
20771	4	16	26x30	.030	.030	.354	10	1 x 250' spl/ctn.	92
20772	2	14	41x30	.030	.030	.339	18	1 x 250' spl/ctn.	79
20775	3	14	41x30	.030	.030	.365	18	1 x 250' spl/ctn.	98
20778	4	14	41x30	.030	.030	.394	15	1 x 250' spl/ctn.	121
20779	2	12	65x30	.030	.045	.409	25	1 x 250' spl/ctn.	123
20780	3	12	65x30	.030	.045	.430	25	1 x 250' spl/ctn.	144
20782	4	12	65x30	.030	.045	.470	20	1 x 250' spl/ctn.	180
20783	2	10	104x30	.045	.060	.544	30	1 x 250' coil ctn.	187
20784	3	10	104x30	.045	.060	.570	30	1 x 250' coil ctn.	246
20786	4	10	104x30	.045	.060	.630	25	1 x 250' coil ctn.	309

¹ Ampacities (Amps per conductor) are based on 30°C ambient temperature in air per the 2005 NEC, Table 400.5(A).

Ampacities for 3/C and 4/C cords assume 1 conductor is used as a ground or neutral and does not carry current. Ampacities for 5/C cords assume 2 conductors are used as ground and neutral and do not carry current.

**Long length reels available upon request. Consult local sales office.

NOTES: Also may be manufactured as 105°C/-50°C. SOOW now available with yellow jacket. Consult factory for minimum order requirements.

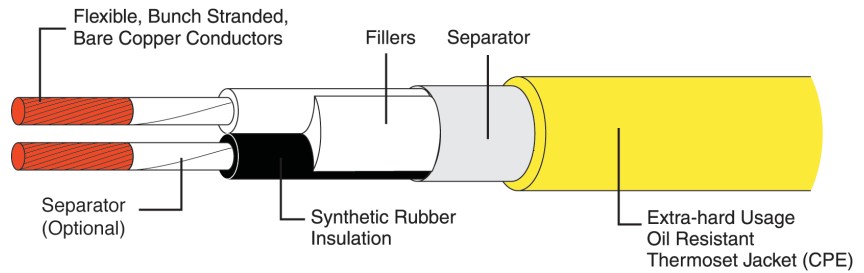
TYPE SOOW & SJOOW (YELLOW JACKET)



Synthetic Rubber Insulation with Oil-Resistant Thermoset Jacket • SOOW 90°C (600V) • SJOOW 90°C (300V)

FEATURES

- UL listed (file no. E7362) as SOOW & SJOOW
- CSA certified (file no. LL8825) as SOOW & SJOOW
- OSHA acceptable
- MSHA listed
- Sunlight, water, and weather resistant per UL & CSA
- Resistant to oil, acid, impact, abrasion, water, flame and high temperature
- Passes MSHA flame test (P-136-MSHA)
- Maintains flexibility
- ICEA where applicable
- SOOW can also be used for special applications as outlined in NFPA 70 (N.E.C.) paragraph 501.10(B)(2) CL.1 Div. 2 locations and paragraph 501.140(B) CL.1 Div. 1 and 2.
- **Water Resistant**



APPLICATIONS

Type SOOW 90°C

Designed for **extra hard usage** with industrial equipment, heavy tools, battery chargers, portable lights and power extensions. SOOW is sunlight, water, oil and weather resistant and suitable for outdoor applications.

Type SJOOW 90°C

Designed for **hard usage** with portable tools, small motors and power extensions. Type SJOOW is sunlight, water, oil and weather resistant and suitable for outdoor applications.

CONSTRUCTION

Conductors

Bare, annealed copper per ASTM B-3
Flexible, bunch-stranded per UL-62 sizes 18 - 10

Separator (when used)

A paper tape is applied between the conductor and insulation to facilitate stripping.

Insulation

Color coded synthetic rubber oil and water resistant per UL-62

Cabling

Conductors are assembled round with wax paper fillers as needed. A separator is applied over the assembly.

Jacket

Oil resistant Thermoset (yellow CPE) per UL-62

Color Coding

2/C: Black, White

3/C: Black, White, Green*

4/C: Black, White, Red, Green*

*Green conductor is used for grounding purposes only

Cable Identification

Surface print on jacket (listed types):

Example: "P-136-29-MSHA 14AWG 3/C SOOW

90°C 600V water resistant (UL)—A.I.W. Corp.—

CSA -40°C FT1---RoHS"

Temperature Range

Type SOOW and SJOOW: 90°C to -40°C

Meets or exceeds all UL requirements for S, SO, SOO, SJ, SJO and SJOO.

PART NUMBER	CONDUCTORS			NOMINALS (INCHES)			AMPS ¹	STANDARD** LENGTHS PUT-UP	SHIP WT. LBS./M FT.
	NO.	AWG.	STRAND	INSUL.	JACKET	O.D.			
90°C UL/CSA TYPE SOOW • 600V									
40232	2	18	16x30	.030	.060	.344	10	1 x 250' spl/ctn.	66
20697	3	18	16x30	.030	.060	.364	10	1 x 250' spl/ctn.	80
-	4	18	16x30	.030	.060	.389	7	1 x 250' spl/ctn.	95
38226	2	16	26x30	.030	.060	.369	13	1 x 250' spl/ctn.	79
32977	3	16	26x30	.030	.060	.389	13	1 x 250' spl/ctn.	94
24907	4	16	26x30	.030	.060	.414	10	1 x 250' spl/ctn.	112
24471	2	14	41x30	.045	.080	.500	18	1 x 250' coil/ctn.	142
32978	3	14	41x30	.045	.080	.525	18	1 x 250' coil/ctn.	196
37203	4	14	41x30	.045	.080	.565	15	1 x 250' coil/ctn.	241
-	2	12	65x30	.045	.095	.570	25	1 x 250' coil/ctn.	186
32979	3	12	65x30	.045	.095	.595	25	1 x 250' coil/ctn.	224
33494	4	12	65x30	.045	.095	.645	20	1 x 250' coil/ctn.	271
26754	2	10	104x30	.045	.095	.620	30	1 x 250' coil/ctn.	231
33385	3	10	104x30	.045	.095	.655	30	1 x 250' coil/ctn.	289
33495	4	10	104x30	.045	.095	.705	25	1 x 250' coil/ctn.	351
90°C UL/CSA TYPE SJOOW • 300V									
28820	2	18	16x30	.030	.030	.283	10	4 x 250' spls/ctn.	48
20759	3	18	16x30	.030	.030	.303	10	4 x 250' spls/ctn.	58
-	4	18	16x30	.030	.030	.327	7	1 x 250' spl/ctn.	75
20766	2	16	26x30	.030	.030	.329	13	4 x 250' spls/ctn.	54
23992	3	16	26x30	.030	.030	.329	13	1 x 250' spl/ctn.	73
66958	4	16	26x30	.030	.030	.354	10	1 x 250' spl/ctn.	88
-	2	14	41x30	.030	.030	.339	18	1 x 250' spl/ctn.	80
23190	3	14	41x30	.030	.030	.365	18	1 x 250' spl/ctn.	121
66957	4	14	41x30	.030	.030	.394	15	1 x 250' spl/ctn.	161
-	2	12	65x30	.030	.045	.409	25	1 x 250' spl/ctn.	113
-	3	12	65x30	.030	.045	.430	25	1 x 250' spl/ctn.	142
-	4	12	65x30	.030	.045	.470	20	1 x 250' spl/ctn.	179
-	2	10	104x30	.045	.060	.544	30	1 x 250' coil ctn.	181
67281	3	10	104x30	.045	.060	.570	30	1 x 250' coil ctn.	237
-	4	10	104x30	.045	.060	.630	25	1 x 250' coil ctn.	286

¹Ampacities (Amps per conductor) are based on 30°C ambient temperature in air per the 2005 NEC, Table 400.5(A).

Ampacities for 3/C and 4/C cords assume 1 conductor is used as a ground or neutral and does not carry current.

**Long length reels available upon request. Consult local sales office.

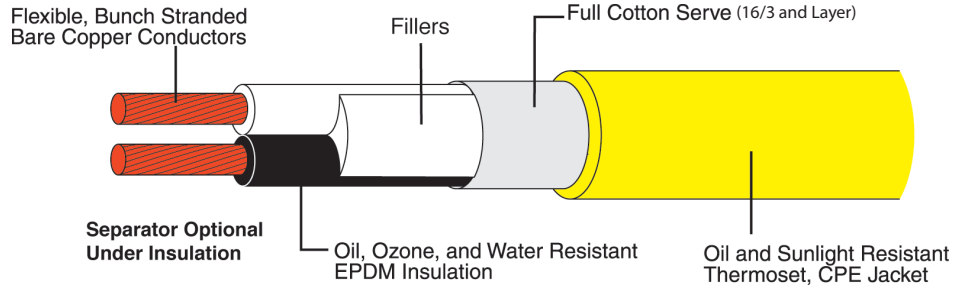
AMERICAN MUSTANG® TYPES SOOW & SJOOW



EPDM Insulation/CPE Jacket • Weather, Water and Oil Resistant
Indoor/Outdoor • SOOW (600V) • SJOOW (300V) • 105°C to - 50°C

FEATURES

- UL listed (file no. E7362)
- CSA certified (file no. LL8825)
- OSHA acceptable
- MSHA listed
- Flame retardant (passes MSHA Flame Test)
- Black or high-visibility yellow jacket
- Exceptional durability
- Excellent resistance to oils, acids, chemicals, water, ozone, extreme temperatures, cuts, tears and abrasion
- Sunlight resistant
- SOOW can also be used for special applications as outlined in NFPA 70 (N.E.C.) paragraph 501.10(B)(2) CL.1 Div. 2 locations and paragraph 501.140(B) 0 CL.1 Div. 1 and 2.
- **Water Resistant**



APPLICATIONS

Type SOOW

Designed for **extra hard usage** on industrial equipment, heavy tools, motor and welding leads, power extensions, portable machinery, sound equipment, portable stage lights, marine dockside power and mining applications.

Type SJOOW

Designed for **hard usage** with portable equipment, tools, small motors and power extensions.

CONSTRUCTION

Conductors

Bare, annealed copper per ASTM B-3
 Flexible, bunch-stranded per UL-62

Insulation

Color coded synthetic oil, ozone and water resistant rubber (EPDM) per UL-62

Cabling

Conductors are assembled round with non-wicking fillers as needed and a cotton serve on 16/3 and larger SOOW only. Wax paper fillers utilized on 16/2, all 18 gauge and all SJOOW cords.

Jacket

Oil resistant thermoset, CPE (black or yellow) per UL-62

Temperature Range

105°C (221°F) to -50°C (-67°F)

Color Coding

2/C: Black, White

3/C: Black, White, Green*

4/C: Black, White, Red, Green*

*Green conductor is used for grounding purposes only.

Note: Wire passes cold bend testing at -55°C. American Mustang™ meets or exceeds all UL requirements for Types SO, SOO, SJO, and SJOO.

PART NUMBER		CONDUCTOR			DIMENSIONS (INCHES)			AMPS ¹	STANDARD** LENGTHS PUT-UP	SHIP WT. LBS./M FT
YELLOW	BLACK*	SIZE	AWG	STRAND	INSUL.	JACKET	O.D.			
AMERICAN MUSTANG® • UL/CSA TYPE SOOW • 600V • 105°C										
35398	22185	2	18	41X34	.030	.060	.340	10	1x 250' spl/ctn.	69
22187	22186	3	18	41x34	.030	.060	.364	10	1x 250' spl/ctn.	78
22189	22188	4	18	41x34	.030	.060	.389	7	1x 250' spl/ctn.	91
24270	22190	2	16	65x34	.030	.060	.369	13	1x 250' spl/ctn.	78
22192	22191	3	16	65x34	.030	.060	.394	13	1x 250' spl/ctn.	105
22194	22193	4	16	65x34	.030	.060	.424	10	1x 250' spl/ctn.	121
24659	22195	2	14	41x30	.045	.080	.505	18	1x 250' coil/ctn.	177
22197	22196	3	14	41x30	.045	.080	.529	18	1x 250' coil/ctn.	204
22199	22198	4	14	41x30	.045	.080	.572	15	1x 250' coil/ctn.	253
28172	22200	2	12	65x30	.045	.095	.578	25	1x 250' coil/ctn.	194
22202	22201	3	12	65x30	.045	.095	.605	25	1x 250' coil/ctn.	237
22204	22203	4	12	65x30	.045	.095	.655	20	1x 250' coil/ctn.	288
28166	22205	2	10	104x30	.045	.095	.626	30	1x 250' coil/ctn.	231
22207	22206	3	10	104x30	.045	.095	.660	30	1x 250' coil/ctn.	298
22209	22208	4	10	104x30	.045	.095	.715	25	1x 250' coil/ctn.	386

AMERICAN MUSTANG® • UL/CSA TYPE SJOOW • 300V • 105°C										
-	30251	2	18	41X34	.030	.030	.280	10	1x 250' spl/ctn.	45
23470	26504	3	18	41x34	.030	.030	.303	10	1x 250' spl/ctn.	59
27917	23200	4	18	41x34	.030	.030	.330	7	1x 250' spl/ctn.	71
30637	33718	2	16	65x34	.030	.030	.308	13	1x 250' spl/ctn.	58
23984	22263	3	16	65x34	.030	.030	.330	13	1x 250' spl/ctn.	73
27918	-	4	16	65x34	.030	.030	.355	10	1x 250' spl/ctn.	93
34164	-	2	14	41x30	.030	.030	.338	18	1x 250' spl/ctn.	80
23983	23896	3	14	41x30	.030	.030	.365	18	1x 250' spl/ctn.	127
27919	25824	4	14	41x30	.030	.030	.395	15	1x 250' spl/ctn.	161

¹Ampacities (Amps per conductor) are based on 30°C ambient temperature in air per the 2005 NEC, Table 400.5(A). Ampacities for 3/C and 4/C cords assume 1 conductor is used as a ground or neutral and does not carry current.

*Black jacketed cables not standard stock inventory.

**Long length reels available upon request. Consult local sales office.

CABLE IDENTIFICATION

Type SOOW:

Sizes 18 and 16 AWG—Ink print on jacket

Sizes 14 thru 10 AWG—Indent print on jacket

"American Mustang (size)/(no.)C -50°C
 SOOW 105 °C 600V water resistant (UL) P-136-40-MSHA---A.I.W. Corp.---CSA FT1---RoHS"

Type SJOOW:

Ink print on jacket

"American Mustang (size) AWG (no.)C
 -50°C SJOOW 105°C 300V water resistant
 (UL) P-136-49-MSHA---A.I.W. Corp.---CSA FT1---RoHS"

Note: Cables marked "FT1" can be used in "FT2" applications.

SOOW PORTABLE CONTROL CABLE



Type SOOW Portable Control Cable • EPDM Insulation • CPE Jacket
18 - 10 AWG • 600 Volts • 90°C SOOW

FEATURES

- UL listed SOOW (file no. E7362)
- CSA listed SOOW (file no. LL8825)
- OSHA acceptable
- MSHA listed
- Passes MSHA flame test (P-136-MSHA)
- Excellent resistance to oil, solvents, water, ozone, aging and abrasion
- Maintains flexibility
- Flame retardant
- SOOW can also be used for special applications as outlined in NFPA 70 (N.E.C.) paragraph 501.10(B)(2) CL.1 Div. 2 locations and paragraph 501.140(B) CL.1 Div. 1 and 2.
- **Water Resistant**

APPLICATIONS

Designed for use in remote control of equipment by push-button stations, traffic and fire alarm controls, temperature control systems, and motor leads.

CONSTRUCTION

Conductors

Bare, annealed copper per ASTM B-3
Bunch stranded per UL-62

Insulation

Color coded synthetic rubber (EPDM) oil and water resistant per UL-62

Cabling

Conductors are assembled round with fillers as needed. A separator is applied over the assembly.

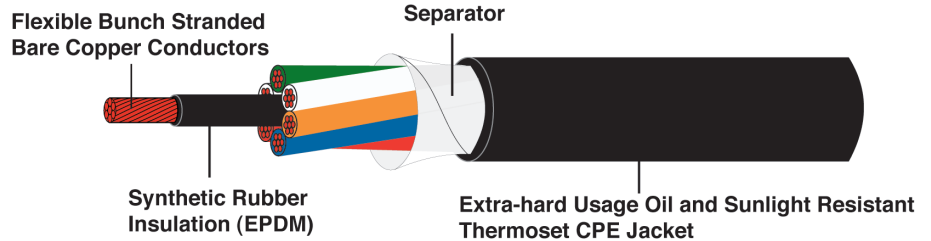
Jacket

Oil and sunlight resistant thermoset (black CPE) jacket per UL-62

Cable Identification

Indent print on jacket
"P-136-29-MSHA (size) AWG (no.)/C SOOW 90°C 600V water resistant (UL) — A.I.W. Corp. — CSA FT1---RoHS"

*NOTE: Cables with over 40/C are not printed with the MSHA number.



PART NUMBER	NO. OF CONDS.	APPROX. DIMEN. JKT.	O.D.	AMPS ¹	SHIP WT. LBS./M FT	PART NUMBER	NO. OF CONDS.	APPROX. DIMEN. JKT.	O.D.	AMPS ¹	SHIP WT. LBS./M FT
18 AWG • 16 X 30 STRANDS • .030" INSULATION						14 AWG • 41 X 30 STRANDS • .045" INSULATION					
23415	5	.080	.470	5.6	132	22113	5	.095	.688	12.0	299
22302	6	.080	.490	5.6	142	22114	6	.095	.685	12.0	357
31044	7	.080	.490	4.9	156	34199	7	.095	.685	10.5	364
22303	8	.080	.525	4.9	173	22115	8	.095	.735	10.5	435
32010	9	.080	.555	4.9	189	22116	10	.095	.815	7.5	531
22304	10	.080	.575	3.5	205	22117	12	.095	.855	7.5	609
22305	12	.080	.600	3.5	230	32013	14	.095	.915	7.5	678
34339	14	.080	.640	3.5	262	22118	16	.110	.995	7.5	806
22306	16	.095	.700	3.5	307	22119	20	.110	1.070	7.5	955
34196	20	.095	.750	3.5	366	34200	24	.110	1.160	6.8	1130
34197	24	.095	.805	3.1	426	34201	36	.125	1.400	6.0	1653
33742	30	.095	.880	3.1	505	34202	37	.125	1.400	6.0	1681
36309	50	.110	1.100	2.5	803	35166	40	.125	1.450	6.0	1787
						35163	50	.125	1.590	5.0	1992
16 AWG • 26 X 30 STRANDS • .030" INSULATION						12 AWG • 65 X 30 STRANDS • .045" INSULATION					
22104	5	.080	.500	8.0	157	22120	5	.095	.705	16.0	343
22105	6	.080	.530	8.0	178	22121	6	.095	.745	16.0	376
23101	7	.080	.530	7.0	189	34203	7	.095	.745	14.0	405
22106	8	.080	.565	7.0	214	22122	8	.095	.800	14.0	457
32011	9	.080	.600	7.0	242	34204	9	.095	.855	14.0	510
22107	10	.080	.615	5.0	252	22123	10	.095	.890	10.0	558
22109	12	.095	.700	5.0	317	22124	12	.110	.960	10.0	662
31154	14	.095	.725	5.0	363	31042	16	.110	1.085	10.0	843
22110	16	.095	.760	5.0	390	23802	20	.110	1.170	10.0	1015
32012	18	.095	.795	5.0	429	32246	24	.125	1.300	9.0	1226
22111	20	.095	.825	5.0	469	32247	30	.125	1.395	9.0	1470
30856	24	.095	.875	4.5	543	32430	37	.125	1.535	8.0	1749
22112	30	.110	.985	4.5	681	35010	40	.125	1.580	8.0	1872
33861	37	.110	1.065	4.0	798	36213	50	.140	1.760	7.0	2269
32159	39	.110	1.080	4.0	838						
34198	40	.110	1.100	4.0	850	10 AWG • 104 X 30 STRANDS • .045" INSULATION					
36427	44	.110	1.180	4.0	959	22125	5	.095	.770	20.0	425
32031	60	.125	1.335	3.5	1248	24634	6	.095	.815	20.0	468
						31931	7	.095	.815	17.5	511
						31932	8	.095	.880	17.5	600
						31933	9	.110	.965	17.5	667
						31934	10	.110	1.015	12.5	746
						32243	12	.110	1.060	12.5	876
						32244	16	.110	1.195	12.5	1110
						32245	20	.125	1.325	12.5	1388
						33991	24	.125	1.440	11.25	1636
						33992	30	.125	1.580	11.25	1973

¹Ampacities shown are for current carrying conductors based on an ambient temperature of 30°C and load diversity of 100%. A grounding conductor or one which carries only the unbalance current from other conductors, is not counted when determining current carrying capacity.

Color Code

ICEA Method 1 Table K-1 colored compounds with tracers.

COND. NO.	BASE COLOR	TRACER	COND. NO.	BASE COLOR	TRACER
1	Black	—	12	Black	White
2	White	—	13	Red	White
3	Red	—	14	Green	White
4	Green	—	15	Blue	White
5	Orange	—	16	Black	Red
6	Blue	—	17	White	Red
7	White	Black	18	Orange	Red
8	Red	Black	19	Blue	Red
9	Green	Black	20	Red	Green
10	Orange	Black	21	Orange	Green
11	Blue	Black			

Color code repeats after 21 conductors.

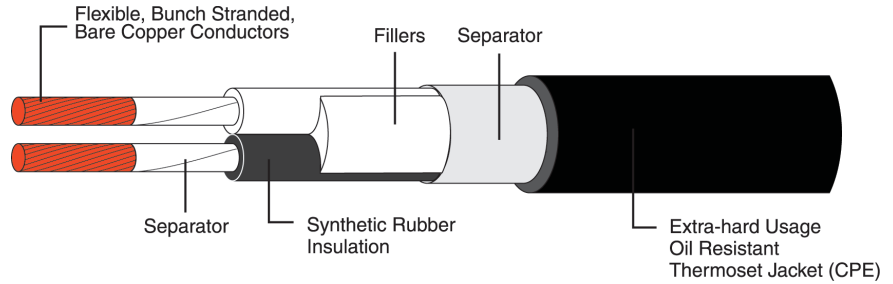
Note: Most cables available on 250 ft., 500 ft., 1000 ft. or long length reels.

SOOW TYPE (NON-UL/NON-CSA)

Synthetic Rubber Insulation with Oil-Resistant Thermoset Jacket • SOOW Type 90°C (600V)

FEATURES

- Sunlight, water, and weather resistant
- Resistant to oil, acid, impact, abrasion, water, flame and high temperature
- MSHA listed, passes MSHA flame test (P-136-MSHA)
- Maintains flexibility
- ICEA where applicable
- Water Resistant



APPLICATIONS

Designed for use with industrial equipment, heavy tools, battery chargers, portable lights and power extensions. SOOW is sunlight, water, oil and weather resistant and suitable for outdoor applications.

CONSTRUCTION

Conductors

Bare, annealed copper per ASTM B-3
Flexible, bunch-stranded per UL-62
Rope lay on sizes 4 and 2 AWG

Separator

A paper tape is applied between the conductor and insulation to facilitate stripping.

Insulation

Color coded synthetic rubber oil and water resistant per UL-62

Cabling

Conductors are assembled round with wax paper fillers as needed. A separator is applied over the assembly.

Jacket

Oil resistant Thermoset (black CPE) per UL-62

Color Coding

2/C: Black, White

3/C: Black, White, Green*

4/C: Black, White, Red, Green*

5/C: Black, White, Red, Green*, Orange

*Green conductor is used for grounding purposes only

PART NUMBER	CONDUCTOR			NOMINALS (INCHES)			AMPS ¹	STANDARD. LGTHS** PUT-UP	SHIP WT. LBS./M FT
	NO.	AWG.	STRAND	INSUL.	JACKET	O.D.			
20738	2	8	71x.015	.050	.060	.615	40	250'/500'/1000' rls.	253
20739	3	8	71x.015	.050	.060	.655	40	250'/500'/1000' rls.	350
20740	4	8	71x.015	.050	.060	.715	35	250'/500'/1000' rls.	435
20741	5	8	71x.015	.050	.060	.785	35	Long Length Reels	513
20742	2	6	110x.015	.050	.060	.690	55	250'/500'/1000' rls.	352
20743	3	6	110x.015	.050	.060	.730	55	250'/500'/1000' rls.	475
20744	4	6	110x.015	.050	.080	.845	45	250'/500'/1000' rls.	618
20745	5	6	110x.015	.050	.080	.925	45	Long Length Reels	770
20746	2	4	133x25	.050	.080	.900	70	250'/500'/1000' rls.	567
20747	3	4	182x25	.050	.080	.955	70	250'/500'/1000' rls.	744
20748	4	4	133x25	.050	.080	1.050	60	250'/500'/1000' rls.	913
20749	5	4	133x25	.050	.080	1.155	60	Long Length Reels	1163
20751	2	2	133x23	.050	.080	1.025	95	250'/500'/1000' rls.	817
20752	3	2	133x23	.050	.080	1.090	95	250'/500'/1000' rls.	1043
20753	4	2	133x23	.050	.080	1.210	80	250'/500'/1000' rls.	1352
20754	5	2	133x23	.050	.080	1.325	80	Long Length Reels	1645

¹ Ampacities (Amps per conductor) are based on 30°C ambient temperature in air per the 2005 NEC, Table 400.5(A). Ampacities for 3/C and 4/C cords assume 1 conductor is used as a ground or neutral and does not carry current. Ampacities for 5/C cords assume 2 conductors are used as ground and neutral and do not carry current.

Cable Identification

Surface print on jacket (listed types):

Example: "P-136-29-MSHA (size) AWG (no. of conds.) SOOW Sun Res. 90°C 600V water and oil resistant—A.I.W. Corp.—RoHS"

Temperature Range

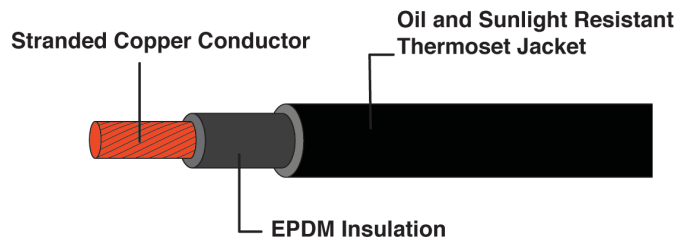
90°C to -40°C

SINGLE CONDUCTOR SOW (NON-UL/NON-CSA)

16 AWG - 10 AWG • 600 Volts • 90°C

FEATURES

- Excellent flexibility
- Sunlight resistant
- Heavy-duty jacket
- Resistant to most oils and chemicals
- Abrasion resistant
- Flame retardant



APPLICATIONS

Designed for use as motor and power leads where flexibility and portability are required.

CONSTRUCTION

SOW • 600V • 90°C

Stranded, annealed bare copper conductor, EPDM insulation, heavy-duty oil resistant thermoset jacket, surface print "(size) AWG SOW 600V 90°C A.I.W. CORP.—RoHS"

PART NUMBER	SIZE	STRANDING	COND. O.D.	INSUL. THICK.	JACKET THICK.	NOMINAL O.D.	AMPS ¹	SHIP WT. LBS./M FT
SOW • 600V • 90°C								
31690	16	26x.010	.060	.030	.030	.186	10	25
31691	14	41x.010	.075	.045	.030	.233	15	48
31692	12	65x.010	.095	.045	.030	.253	20	51
31693	10	104x.010	.120	.045	.030	.278	25	66

Note: Put up on long length reels.