

PORTABLE POWER CABLE

American Mustang^{®†} Types SOOW and SJOOW

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



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) CL.1 Div. 1 and 2.
- **Water Resistant - Passes the UL 14 day permittivity and stability factor tests in water.**

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) 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)

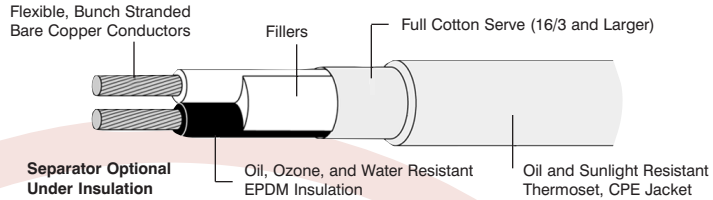
Color Coding

2/C: Black, White

3/C: Black, White, Green*

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

*Green conductor is used for grounding purposes only.



PART NUMBERS		CONDUCTOR			DIMENSIONS (INCHES)			AMPS ¹	SHIP WT. LBS./M FT
YELLOW	BLACK*	SIZE	AWG	STRAND	INSUL.	JACKET	O.D.		
AMERICAN MUSTANG[®] • UL/CSA TYPE SOOW • 600V • 105°C									
04-0001	04-0002	2	18	41x34	.030	.060	.340	10	69
04-0003	04-0004	3	18	41x34	.030	.060	.364	10	78
04-0005	04-0006	4	18	41x34	.030	.060	.389	7	91
04-0007	04-0008	2	16	65x34	.030	.060	.369	13	78
04-0009	04-0010	3	16	65x34	.030	.060	.394	13	105
04-0011	04-0012	4	16	65x34	.030	.060	.424	10	121
04-0013	04-0014	2	14	41x30	.045	.080	.505	18	177
04-0015	04-0016	3	14	41x30	.045	.080	.529	18	204
04-0017	04-0018	4	14	41x30	.045	.080	.572	15	253
04-0019	04-0020	2	12	65x30	.045	.095	.578	25	194
04-0021	04-0022	3	12	65x30	.045	.095	.605	25	237
04-0023	04-0024	4	12	65x30	.045	.095	.655	20	288
04-0025	04-0026	2	10	104x30	.045	.095	.626	30	231
04-0027	04-0028	3	10	104x30	.045	.095	.660	30	298
04-0029	04-0030	4	10	104x30	.045	.095	.715	25	386
AMERICAN MUSTANG[®] • UL/CSA TYPE SJOOW • 300V • 105°C									
04-0031	04-0032	2	18	41X34	.030	.030	.280	10	45
04-0033	04-0034	3	18	41x34	.030	.030	.303	10	59
04-0035	04-0036	4	18	41x34	.030	.030	.330	7	71
04-0037	04-0038	2	16	65x34	.030	.030	.308	13	58
04-0039	04-0040	3	16	65x34	.030	.030	.330	13	73
04-0041	04-0042	4	16	65x34	.030	.030	.355	10	93
04-0043	04-0044	2	14	41x30	.030	.030	.338	18	80
04-0045	04-0046	3	14	41x30	.030	.030	.365	18	127
04-0047	04-0048	4	14	41x30	.030	.030	.395	15	161

¹ Ampacities (Amps per conductor) are based on 30°C ambient temperature in air per the 2008 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.

» Information on this sheet is subject to change without notice. All diameters are nominal values. All diameters and weights are subject to normal manufacturing tolerances.

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

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

[†] American Mustang[®] is a registered trademark of American Insulated Wire Co.



PITTSBURGH WIRE & CABLE INC.

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Sales and Ordering: 1-800-458-1222