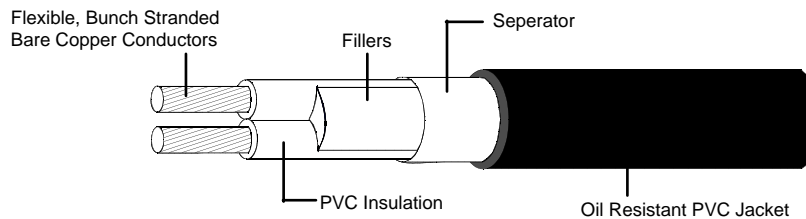


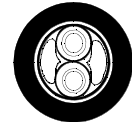


TYPES STO, SJTO & STO/STOW-A

PVC Insulation with PVC Jacket



OSHA Acceptable



UL/CSA TYPE STO (600V) • UL/CSA TYPE SJTO (300V) • UL TYPE STOW-A / CSA TYPE STO (600V)

FEATURES

- UL listed (file no. E7362)
- CSA certified (file no. LL8825)
- OSHA acceptable
- STO and SJTO are oil resistant
- STOW-A is Oil and Water Resistant for Marine Applications

APPLICATIONS

Type STO or STOW-A

Designed for use with heavy tools, equipment, portable lights and power extensions.

Type SJTO

Designed for use with portable tools, equipment and motors

CONSTRUCTION

Conductors

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

Insulation

Color coded polyvinyl chloride (PVC) UL-62

Cabling

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

Jacket

Polyvinyl chloride (PVC) 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.

Temperature Range

60°C (140°F) to -20°C (-4°F)

Cable Identification

Surface print on jacket

Example: "16AWG 2/C Type STO 600V
(UL) - A.I.W. Corp. - CSA FT2"

Note: Outdoor types SJTOW-A, SJOW, SJTOW, STW-A and SJTW-A are available upon request.

B-I-A EDP #		Conductors (mm)			Dimensions (mm)			Amps ¹	Standard** VPE Pack / Put-Up	Weight kg / km	
Gray	Yellow	No. AWG	mm ²	Strand x Dia.	Insul.	Jacket	O.Dia.				
600V • UL/CSA TYPE STO • 60°C											
-	112284	2	18	0.81	16x0.254	0.76	1.52	8.76	10	1 x 76m spool	97
107227	107228	3	18	0.81	16x0.254	0.76	1.52	9.17	10	1 x 76m spool	113
107229	107230	4	18	0.81	16x0.254	0.76	1.52	9.91	7	1 x 76m spool	133
107231	-	2	16	1.32	26x0.254	0.76	1.52	9.37	13	1 x 76m spool	113
107232	107233	3	16	1.32	26x0.254	0.76	1.52	9.83	13	1 x 76m spool	136
107234	107235	4	16	1.32	26x0.254	0.76	1.52	10.64	10	1 x 76m spool	153
-	112285	5	16	1.32	26x0.254	0.76	2.03	12.80	8	1 x 76m reel	206
-	112286	6	16	1.32	26x0.254	0.76	2.03	13.59	8	1 x 304m reel	231
112289	112290	2	14	2.08	41x0.254	1.14	2.03	12.73	18	1 x 76m coil	189
107236	107237	3	14	2.08	41x0.254	1.14	2.03	13.36	18	1 x 76m coil	226
107238	107239	4	14	2.08	41x0.254	1.14	2.03	14.45	15	1 x 76m coil	277
112291	112292	2	12	3.29	65x0.254	1.14	2.41	14.55	25	1 x 76m coil	249
107240	107241	3	12	3.29	65x0.254	1.14	2.41	15.27	25	1 x 76m coil	310
107242	107243	4	12	3.29	65x0.254	1.14	2.41	16.51	20	1 x 76m coil	359
-	-	2	10	5.22	103x0.254	1.14	2.41	15.88	30	1 x 76m coil	268
107244	107245	3	10	5.22	103x0.254	1.14	2.41	16.69	30	1 x 76m coil	380
107246	107247	4	10	5.22	103x0.254	1.14	2.41	18.11	25	1 x 76m coil	489
300V • UL/CSA TYPE SJTO • 60°C											
107252	103430	2	18	0.81	16x0.254	0.76	0.76	7.24	10	4 x 76m spools	63
107253	107254	3	18	0.81	16x0.254	0.76	0.76	7.62	10	4 x 76m spools	76
107461	107462	4	18	0.81	16x0.254	0.76	0.76	8.38	7	1 x 76m spool	101
103427	107457	2	16	1.32	26x0.254	0.76	0.76	7.85	13	1 x 76m spool	76
107412	103428	3	16	1.32	26x0.254	0.76	0.76	8.31	13	1 x 76m spool	107
107459	107460	4	16	1.32	26x0.254	0.76	0.76	9.12	10	1 x 76m spool	127
103424	107455	2	14	2.08	41x0.254	0.76	0.76	8.66	18	1 x 76m spool	109
107411	103425	3	14	2.08	41x0.254	0.76	0.76	9.17	18	1 x 76m spool	137
107456	107458	4	14	2.08	41x0.254	0.76	0.76	10.08	15	1 x 76m spool	165
-	103421	2	12	3.29	65x0.254	0.76	1.14	10.44	25	1 x 76m coil	153
107410	103422	3	12	3.29	65x0.254	0.76	1.14	11.02	25	1 x 76m coil	195
-	107454	4	12	3.29	65x0.254	0.76	1.14	12.07	20	1 x 76m coil	246
-	-	2	10	5.22	103x0.254	1.14	1.52	14.05	30	1 x 76m coil	238
-	103419	3	10	5.22	103x0.254	1.14	1.52	14.86	30	1 x 76m coil	329
-	103420	4	10	5.22	103x0.254	1.14	1.52	16.26	25	1 x 76m coil	414
600V • UL TYPE STOW-A • CSA TYPE STO • 60°C											
-	107248	3	8	8.34	65x0.404	1.52	2.79	21.34	40	1 x 304m reel	626
-	107249	4	8	8.34	65x0.404	1.52	3.18	23.62	35	1 x 304m reel	879
-	107250	3	6	13.56	133x0.361	1.52	3.18	25.15	55	1 x 304m reel	874
-	107251	4	6	13.56	133x0.361	1.52	3.56	27.94	45	1 x 304m reel	1110

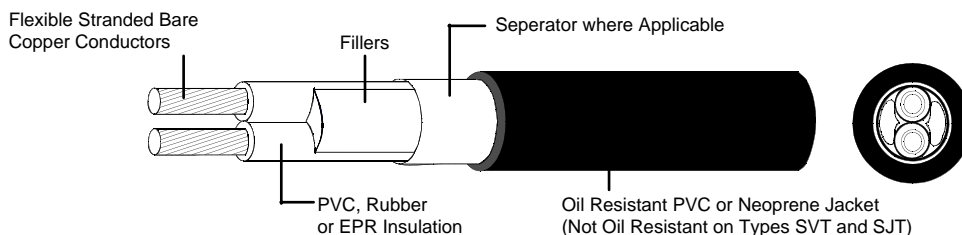
¹Ampacities (Amps per conductor) are based on 30°C ambient temperature in air per the 1996 NEC, Table 400-5(A). Ampacities for 3/C and 4/C cords assume 1 conductor is used as a ground or neutral and does not carry current.

**Long length reels and 304m reels available on limited sizes upon request. Consult our sales office.

Note: Please request for availability of non-bold printed and not listed EDP numbers



TYPES SVO, SJO, SO, SVT, SJT & SJTOW-A PVC Insulation with Neoprene Jacket or PVC Insulation with PVC Jacket



SVO, SJO 60°C (300V) • SVT, SJT 60°C or 105°C (300V) • SJTOW-A 105°C (300V) • SO 60°C (600V)

DESCRIPTION

SVO, SJO 60°C 300V / SO 60°C 600V

Designed for use with motor controls, in-plant power distribution, portable lights and power extensions. SVO, SJO and SO is oil resistant.

Ratings: UL Standard 62 and
CSA Standard C22.2 No.49
(SVO 18/3 is UL listed only.)

Conductors: Stranded bare copper

Insulation: Color coded Rubber or EPR

- 2/C: Black, White
- 3/C: Black, White, Green*
- 4/C: Black, White, Green*, Red

Jacket: Neoprene or thremoset jacket on SVO 18/3, jacket color black

SVT, SJT 60°C and 105°C 300V

Type SVT is designed for use with vacuum cleaners, food processors and office equipment. Type SJT is designed for use with portable tools, equipment and motors.

Ratings: UL Standard 62 and
CSA Standard C22.2 No.49
(CSA where applicable.)

Conductors: Stranded bare copper

Insulation: Color coded PVC

- North American Style
- 2/C: Black, White
- 3/C: Black, White, Green*

- IEC Style (CEE)
- 3/C: Blue, Brown, Green/Yellow* (UL/CSA Type SJT)
- 3/C: Light Blue, Brown, Grn/Yel* (UL/CSA Type SJTOW-A)

Jacket: Polyvinyl chloride (PVC)

*Green or green/yellow conductor is used for grounding purposes only.

B-I-A EDP #			Conductors (mm)				Dimensions (mm)			Standard** VPE	Weight
White	Gray	Black	No. AWG	mm ²	Strand x Dia.	Insul.	Jacket	O.Dia.	Pack / Put-Up	kg / km	
300V • UL/CSA TYPE SVO • Oil Resistant • PVC/NEOPRENE or EPR • 60°C											
-	-	112270	2	18	0.82	41 x 0.160	0.41	0.81	6.10	1 x 76m spool	63
-	-	112271	3	18	0.82	41 x 0.160	0.38	0.76	6.02	4 x 76m spools	70
300V • UL/CSA TYPE SJO • Oil Resistant • PVC/NEOPRENE • 60°C											
-	-	112272	2	18	0.81	16 x 0.254	0.76	0.76	7.62	1 x 76m spool	69
-	-	112273	3	18	0.81	16 x 0.254	0.76	0.76	8.38	1 x 76m spool	86
-	-	112274	2	16	1.32	26 x 0.254	0.76	0.76	8.13	1 x 76m spool	83
-	-	112275	3	16	1.32	26 x 0.254	0.76	0.76	8.89	1 x 76m spool	116
600V • UL/CSA TYPE SO • Oil Resistant • PVC/NEOPRENE • 60°C											
-	-	109715	2	18	0.81	16 x 0.254	0.76	1.52	9.14	1 x 76m spool	106
-	-	109716	3	18	0.81	16 x 0.254	0.76	1.52	9.65	1 x 76m spool	125
-	-	109717	4	18	0.81	16 x 0.254	0.76	1.52	10.41	1 x 76m spool	149
-	-	109718	2	16	1.32	26 x 0.254	0.76	1.52	9.65	1 x 76m spool	124
-	-	109719	3	16	1.32	26 x 0.254	0.76	1.52	10.16	1 x 76m spool	150
-	-	109720	4	16	1.32	26 x 0.254	0.76	1.52	11.18	1 x 76m spool	177
-	-	109721	2	14	2.08	41 x 0.254	1.14	2.03	13.21	1 x 76m spool	212
-	-	109722	3	14	2.08	41 x 0.254	1.14	2.03	13.97	1 x 76m spool	255
-	-	109723	4	14	2.08	41 x 0.254	1.14	2.03	15.24	1 x 76m spool	316
-	-	109725	2	12	3.29	65 x 0.254	1.14	2.41	14.99	1 x 76m spool	282
-	-	109726	3	12	3.29	65 x 0.254	1.14	2.41	15.75	1 x 76m spool	343
-	-	109727	4	12	3.29	65 x 0.254	1.14	2.41	17.02	1 x 76m spool	419
-	-	109728	3	10	5.32	105 x 0.254	1.14	2.41	17.02	1 x 76m spool	436
-	-	109730	4	10	5.32	105 x 0.254	1.14	2.41	18.29	1 x 76m spool	532
300V • UL TYPE SVT • PVC/PVC • 60°C											
-	103482	103481	2	18	0.82	41 x 0.160	0.38	0.76	6.02	2 x 76m spools	50
-	112276	112277	3	18	0.82	41 x 0.160	0.38	0.76	6.35	1 x 76m spools	62
300V • UL TYPE SVT • PVC/PVC • 105°C (CSA available upon request)											
-	-	-	2	18	0.82	41 x 0.160	0.38	0.76	5.72	upon Request	45
103484	-	103483	3	18	0.82	41 x 0.160	0.38	0.76	6.02	4 x 76m spools	57
300V • UL/CSA TYPE SJT (SJTW on #14 AWG) • PVC/PVC • 60°C											
-	112278	112279	3	18	0.82	41 x 0.160	0.76	0.76	8.38	1 x 76m spool	76
-	112280	112281	3	16	1.31	65 x 0.160	0.76	0.76	8.89	1 x 76m spool	107
112127	-	-	3	14	2.08	41 x 0.254	0.76	0.76	9.65	upon Request	137
300V • UL TYPE SJT • PVC/PVC • 105°C (CSA available upon request)											
-	-	-	2	18	0.82	16 x 0.254	0.76	0.76	7.24	upon Request	63
103417	-	-	3	18	0.82	16 x 0.254	0.76	0.76	7.62	4 x 76m spools	76
300V • UL/CSA TYPE SJT • IEC COLOR CODE • PVC/PVC • 60°C											
-	-	111510	3	18	0.82	41 x 0.160	0.76	0.76	8.38	1 x 76m spool	76
-	-	112268	3	16	1.31	65 x 0.160	0.76	0.76	8.89	1 x 76m spool	107
-	-	112269	3	14	2.08	41 x 0.254	0.76	0.76	9.65	1 x 76m spool	137
300V • UL/CSA TYPE SJTOW-A • IEC • Oil & Water Res. • PVC/PVC • 105°C											
-	-	112266	3	18	0.83	42 x 0.160	0.76	0.76	8.00	4 x 76m spools	83
-	-	112267	3	16	1.31	65 x 0.160	0.76	0.76	8.64	4 x 76m spools	109
-	-	109288	3	14	2.08	41 x 0.254	0.76	0.76	9.65	4 x 76m spools	141

**Further put-up's (15m, 30m and long length reels) available on limited sizes upon request.

Note: Please request for availability of non-bold printed and not listed EDP numbers