

600V Power Cable

**600V
SOOW - SOW**

Type SOOW UL/CSA 90° C 600V

Part Number	AWG Stranding	No of conductors	Insulation Thickness	Jacket Thickness	Nominal O.D.	Wieght/Mft Nom.
18-2 SOOW	18 AWG	2	.030 EPR	.060 CPE	.340	71
18-3 SOOW	16/.010	3			.360	84
18-4 SOOW	BC	4			.385	100

16-2 SOOW	16 AWG	2	.030 EPR	.060 CPE	.365	83
16-3 SOOW	26/.010	3			.385	101
16-4 SOOW	BC	4			.410	119

14-2 SOOW	14 AWG	2	.045 EPR	.080 CPE	.495	142
14-3 SOOW	41/.010	3			.520	171
14-4 SOOW	BC	4			.560	212

12-2 SOOW	12 AWG	2	.045 EPR	.095 CPE	.565	189
12-3 SOOW	65/.010	3			.590	230
12-4 SOOW	BC	4			.640	281

10-2 SOOW	10 AWG	2	.045 EPR	.095 CPE	.615	237
10-3 SOOW	103/.010	3			.650	293
10-4 SOOW	BC	4			.700	357

Type SOOW (Non-UL Non-CSA*) MSHA 90° C 600V

8-3 SOOWN	8 AWG	3	.050 EPR	.060 CPE	.655	354
8-4 SOOWN	65/.0159	4			.715	450
8-5 SOOWN	BC	5			.785	560

6-3 SOOWN	6 AWG	3	.050 EPR	.080 CPE	.730	491
6-4 SOOWN	103/.0159	4			.845	661
6-5 SOOWN	BC	5			.925	811

4-3 SOOWN	4 AWG	3	.050 EPR	.080 CPE	.955	795
4-4 SOOWN	133/.0179	4			1.050	1010
4-5 SOOWN	BC	5			1.155	1211

2-3 SOOWN	2 AWG	3	.050 EPR	.080 CPE	1.090	1101
2-4 SOOWN	133/.0223	4			1.200	1396
2-5 SOOWN	BC	5			1.325	1683

* 8-2 AWG Type SOOW with UL and/or CSA labels available upon request with heavier walls and dimensions.

Type SOW Single Conductor Industrial Motor Lead Cable, Non-UL 90° C 600V

16-SOW	16 AWG 26/.010	1	.030 EPR	.030 CPE	.180	25
14-SOW	14 AWG 41/.010	1	.045 EPR	.030 CPE	.225	40
12-SOW	12 AWG 65/.010	1	.045 EPR	.030 CPE	.245	50
10-SOW	10 AWG 103/.010	1	.045 EPR	.030 CPE	.270	70

Stock Color: Black

Specifications:

Conductor:	Stranded Bare Copper
Insulation:	EPR
Shield:	None
Drain:	None
Jacket:	Black CPE
Approvals:	MSHA Listed, 600 Volts, Oil Water and Weather Resistant
Application:	For extra hard usage, Power Distribution

Color Code:

Conductor

2. Black, White
3. Black, White, Green
4. Black, White, Red, Green
5. Black, White, Red, Green, Orange

Western Cable Corporation
888-805-0355

600V Portable Control Cable

600V SOOW

Type SOOW UL/CSA 90°C 600V

Part Number	AWG Stranding	No of conductors	Insulation Thickness	Jacket Thickness	Nominal O.D.	Wieght/Mft Nom.
18-5 SOOW	18 AWG 16/.010 BC	5	.030 EPR	.080 CPE	.465	119
18-6 SOOW		6			.491	137
18-7 SOOW		7			.495	147
18-8 SOOW		8			.523	158
18-9 SOOW		9			.557	179
18-10 SOOW		10		.577	207	
18-12 SOOW		12		.605	232	
18-16 SOOW		16		.704	300	
18-20 SOOW		20		.750	380	
18-24 SOOW		24		.810	420	
18-30,SOOW		30		.885	510	

16-5 SOOW	16 AWG 26/.010 BC	5	.030 EPR	.080 CPE	.490	157
16-6 SOOW		6			.520	180
16-7 SOOW		7			.525	190
16-8 SOOW		8			.555	210
16-9 SOOW		9			.590	225
16-10 SOOW		10			.610	254
16-12 SOOW		12			.640	308
16-14 SOOW		14		.710	353	
16-16 SOOW		16		.745	404	
16-18 SOOW		18		.780	435	
16-20 SOOW		20		.800	486	
16-24 SOOW		24		.865	571	
16-30 SOOW		30		.975	731	
16-37 SOOW		37		1.065	820	
16-40 SOOW		40		1.080	850	
16-60 SOOW		60		1.325	1275	

14-5 SOOW	14 AWG 41/.010 BC	5	.045 EPR	.095 CPE	.635	255
14-6 SOOW		6		.687	317	
14-7 SOOW		7		.080 CPE *	.655	346
14-8 SOOW		8		.735	374	
14-10 SOOW		10		.815	467	
14-12 SOOW		12		.855	529	
14-14 SOOW		14		.915	595	
14-16 SOOW		16		.995	693	
14-20 SOOW		20		1.070	814	
14-24 SOOW		24		1.070	814	
14-37 SOOW		37		1.400	1350	

12-5 SOOW	12 AWG 65/.010 BC	5	.045 EPR	.095 CPE	.705	349
12-6 SOOW		6			.740	386
12-7 SOOW		7			.740	412
12-8 SOOW		8			.795	483
12-9 SOOW		9			.850	528
12-10 SOOW		10			.885	577
12-12 SOOW		12		.930	676	
12-16 SOOW		16		1.080	890	
12-20 SOOW		20		1.165	1050	
12-24 SOOW		24		1.295	1200	
12-30 SOOW		30		1.425	1450	
12-37 SOOW	37	1.535	1745			

10-5 SOOW	10 AWG 103/.010 BC	5	.045 EPR	.095 CPE	.760	461
10-6 SOOW		6			.815	511
10-7 SOOW		7			.815	565
10-8 SOOW		8			.880	645
10-9 SOOW		9			.940	713
10-10 SOOW		10		1.015	775	
10-12 SOOW		12		1.060	895	
10-16 SOOW		16		1.195	1125	
10-20 SOOW		20		1.325	1395	
10-24 SOOW		24		1.440	1763	
10-30 SOOW		30		1.580	2124	

*Per UL-62 7 conductor 14awg calls for .080 wall

Color Code: Chart 1

Specifications:

Conductor: Stranded Bare Copper

Insulation: EPR

Shield: None

Drain: None

Jacket: Black CPE

Approvals: MSHA Listed, 600 Volts, Oil Water and Weather Resistant

Application: For extra hard usage, Power Distribution

300V Power Cable

**300V
SJ - SJOOW**

Type SJ 60° C 300V

Part Number	AWG Stranding	No of Conductors	Insulation Thickness	Jacket Thickness	Nominal O.D.	Weight/Mft Nom.
18-2 SJ	18 AWG 16/.010 BC	2	.030 EPR	.030 CPE	.280	46
18-3 SJ		3			.300	58
18-4 SJ		4			.325	76
16-2 SJ	16 AWG 26/.010 BC	2	.030 EPR	.030 CPE	.305	56
16-3 SJ		3			.325	78
16-4 SJ		4			.350	96
14-2 SJ	14 AWG 41/.010 BC	2	.030 EPR	.030 CPE	.335	76
14-3 SJ		3			.360	99
14-4 SJ		4			.390	121
12-2 SJ	12 AWG 65/.010 BC	2	.030 EPR	.045 CPE	.405	113
12-3 SJ		3			.425	142
12-4 SJ		4			.465	179
10-2 SJ	10 AWG 103/.010 BC	2	.045 EPR	.060 CPE	.540	185
10-3 SJ		3			.565	239
10-4 SJ		4			.625	305

Color Code: See Below

Type SJOOW 90° C 300V

Part Number	AWG Stranding	No of Conductors	Insulation Thickness	Jacket Thickness	Nominal O.D.	Weight/Mft Nom.
18-2 SJOOW	18 AWG 16/.010 BC	2	.030 EPR	.030 CPE	.280	46
18-3 SJOOW		3			.300	58
18-4 SJOOW		4			.325	76
16-2 SJOOW	16 AWG 26/.010 BC	2	.030 EPR	.030 CPE	.305	56
16-3 SJOOW		3			.325	78
16-4 SJOOW		4			.350	96
14-2 SJOOW	14 AWG 41/.010 BC	2	.030 EPR	.030 CPE	.335	76
14-3 SJOOW		3			.360	99
14-4 SJOOW		4			.390	121
12-2 SJOOW	12 AWG 65/.010 BC	2	.030 EPR	.045 CPE	.405	131
12-3 SJOOW		3			.425	142
12-4 SJOOW		4			.465	179
10-3 SJOOW	10 AWG 103/.010	3	.045 EPR	.060 CPE	.565	239
10-4 SJOOW		4			.625	305

Specifications:

Conductor: Stranded Bare Copper
Insulation: EPR
Shield: None
Drain: None
Jacket: Black CPE
Approvals: UL & CSA Listed Type SJ
 300 Volts 60C
Application: Hard Usage

Specifications:

Conductor: Stranded Bare Copper
Insulation: EPR
Shield: None
Drain: None
Jacket: Black CPE
Approvals: UL/CSA Listed Type SJOOW
 300 Volts 90C
Application: Oil and Water Resistant
 Hard Usage

Color Code:

- Conductor
2. Black, White
 3. Black, White, Green
 4. Black, White, Red, Green
 5. Black, White, Red, Green, Orange

Western Cable Corporation
888-805-0355

300V Power Cable

**300V
SJTO - SJEOW**

Type SJTO 60°C 300V

Part Number	AWG Stranding	No of Conductors	Insulation Thickness	Jacket Thickness	Nominal O.D.	Weight/Mft Nom.
18-2 SJTO	18 AWG	2	.030 PVC	.030 PVC	.285	42
18-3 SJTO	16/.010	3			.300	51
18-4 SJTO	BC	4			.330	68

16-2 SJTO	16 AWG	2	.030 PVC	.030 PVC	.309	51
16-3 SJTO	26/.010	3			.327	72
16-4 SJTO	BC	4			.359	85

14-2 SJTO	14 AWG	2	.030 PVC	.030 PVC	.345	71
14-3 SJTO	41/.010	3			.361	92
14-4 SJTO	BC	4			.397	111

12-2 SJTO	12 AWG	2	.030 PVC	.045 PVC	.411	103
12-3 SJTO	65/.010	3			.434	131
12-4 SJTO	BC	4			.475	165

10-3 SJTO	10 AWG	3	.045 PVC	.060 PVC	.585	221
10-4 SJTO	103/.010 BC	4			.640	278

Color Code: See Below

Type SJEOW/CSA SJTW 105°C 300V

Part Number	AWG Stranding	No of Conductors	Insulation Thickness	Jacket Thickness	Nominal O.D.	Weight/Mft Nom.
18-2 SJEOW	18 AWG	2	.030 TPE	.030 TPE	.298	40
18-3 SJEOW	16/30	3			.328	45
18-4 SJEOW	BC	4			.350	60

16-2 SJEOW	16 AWG	2	.030 TPE	.030 TPE	.323	50
16-3 SJEOW	26/30	3			.329	65
16-4 SJEOW	BC	4			.362	80

14-2 SJEOW	14 AWG	2	.030 TPE	.030 TPE	.350	75
14-3 SJEOW	41/30	3			.366	90
14-4 SJEOW	BC	4			.406	110

12-2 SJEOW	12 AWG	2	.030 TPE	.045 TPE	.423	110
12-3 SJEOW	65/30	3			.440	130
12-4 SJEOW	BC	4			.495	165

10-2 SJEOW	10 AWG	2	.045 TPE	.060 TPE	.570	160
10-3 SJEOW	103/30	3			.611	220
10-4 SJEOW	BC	4			.660	275

Specifications:

Conductor:	Stranded Bare Copper
Insulation:	PVC
Shield:	None
Drain:	None
Jacket:	Gray or Yellow PVC
Approvals:	UL & CSA Listed Type SJTO 300 Volts 60C
Application:	Oil Resistant Hard Usage

Specifications:

Conductor:	Stranded Bare Copper
Insulation:	TPE
Shield:	None
Drain:	None
Jacket:	Black TPE
Approvals:	UL Listed Type SJEOW CSA SJTW, 300 Volts 105C
Application:	Weather, Water and Oil Resistant Hard Usage

Color Code:

Conductor	
2.	Black, White
3.	Black, White, Green
4.	Black, White, Red, Green

Western Cable Corporation
888-805-0355

600V Power Cable

**600V
SEOW - SOOW**

Type SEOW/CSA STW 105°C 600V

Part Number	AWG Stranding	No of Conductors	Insulation Thickness	Jacket Thickness	Nominal O.D.	Weight/Mft Nom.
18-2 SEOW	18 AWG 16/30 BC	2	.030 TPE	.030 TPE	.348	65
18-3 SEOW		3			.365	75
18-4 SEOW		4			.395	90
16-2 SEOW	16 AWG 26/30 BC	2	.030 TPE	.030 TPE	.373	75
16-3 SEOW		3			.391	90
16-4 SEOW		4			.423	105
14-2 SEOW	14 AWG 41/30 BC	2	.030 TPE	.030 TPE	.506	125
14-3 SEOW		3			.531	150
14-4 SEOW		4			.576	185
12-2 SEOW	12 AWG 65/30 BC	2	.030 TPE	.045 TPE	.578	165
12-3 SEOW		3			.607	205
12-4 SEOW		4			.656	240
10-2 SEOW	10 AWG 103/30 BC	2	.045 TPE	.060 TPE	.630	180
10-3 SEOW		3			.681	250
10-4 SEOW		4			.743	325

Specifications:

Conductor:	Stranded Bare Copper
Insulation:	TPE
Shield:	None
Drain:	None
Jacket:	Black TPE
Approvals:	UL Listed Type SEOW CSA STW, 600 Volts 105C
Application:	Weather, Water and Oil Resistant Hard Usage

Color Code:

- Conductor
2. Black, White
 3. Black, White, Green
 4. Black, White, Red, Green

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

Part Number	AWG Stranding	No of Conductors	Insulation Thickness	Jacket Thickness	Nominal O.D.	Weight/Mft Nom.		
8-3 SOOW	8 AWG 65/.0159	3	.060 EPDM	.110	.835	477		
8-4 SOOW		4				.125	.930	605
6-3 SOOW	6 AWG 133/.0142	3	.060 EPDM	.125	.975	678		
6-4 SOOW		4				.140	1.055	856
4-3 SOOW	4 AWG 133/.0179	3	.060 EPDM	.140	1.135	1030		
4-4 SOOW		4				.155	1.255	1297
4-5 SOOW		5				.155	1.373	1561
2-2 SOOW	2 AWG 133/.0223	2	.060 EPDM	.170	1.455	1768		

Conductor:	Stranded Bare Copper
Insulation:	EPDM
Shield:	None
Drain:	None
Jacket:	Black CPE
Approvals:	UL/CSA Listed Type SOOW 600 Volts 90C, MSHA, OSHA
Application:	Water and Oil Resistant Hard Usage

Color Code:

- Conductor
2. Black, White
 3. Black, White, Green
 4. Black, White, Red, Green
 5. Black, White, Red, Green
Orange
- Green conductor is used for
grounding purposes only*

Western Cable Corporation
888-805-0355

Type STO UL/CSA 60°C 600V

Part Number	AWG Stranding	No of conductors	Insulation Thickness	Jacket Thickness	Nominal O.D.	Weight/Mft Nom.
18-3 STO	18 AWG	3	.030	.060	.361	76
18-4 STO	16/.010 BC	4			.390	89
16-2 STO	16 AWG 26/0101 BC	2	.030	.060	.369	76
16-3 STO		3			.387	91
16-4 STO		4			.419	103
16-5 STO		5		.080	.504	138
16-6 STO		6			.535	155
14-3 STO		14 AWG		3	.045	.080
14-4 STO	41/.010 BC	4	.569	186		
12-3 STO	12 AWG	3	.045	.095	.601	208
12-4 STO	65/.010 BC	4			.650	241
10-3 STO	10 AWG	3	.045	.095	.657	255
10-4 STO	103/.010	4			.713	328

Specifications:

Conductor:	Stranded Bare Copper
Insulation:	PVC
Shield:	None
Drain:	None
Jacket:	Gray or Yellow PVC
Approvals:	UL/CSA Listed type STO NFPA 70, Class1 Div 2 NEC 501-4 (b) & 501-11
Application:	Oil Resistant for extra hard

Usage.

300V Flexible Cord

Speaker/Lamp Cord

Type SPT - 2/C Parallel Speaker Cord 300V

Part Number	AW/CG Stranding	No of Conductors	Insulation Thickness	Jacket Colors	Nominal O.D.	Weight/Mft Nom.
W1860-0	18 AWG 41/.0063 BC SPT-1	2	.030 PVC	Black	.105 X .198	21
W1860-9		2		White	.105 X .198	21
W1860-1		2		Brown	.105 X .198	21
W1860-CC		2		Cry. Clear	.105 X .198	20
W1860-CG		2		Cl. Gold	.105 X .198	20
W1860-CLR		2		Clear	.105 X .198	20
W1861-1		#18 SPT-2		2	.045 PVC	Brown
W1864-0	16 AWG 65/.0063 BC SPT-2	2	.045 PVC	Black	.145 X .285	39
W1864-9		2		White	.145 X .285	39
W1864-1		2		Brown	.145 X .285	39

Specifications:

Conductor:	Stranded Bare or Tinned Copper
Insulation:	PVC insulation with mid web.
Approvals:	UL & CSA Listed Type SPT 300V Spt-1 105C, Spt-2 60C
Application:	General audio applications, Lamp Cord.

Western Cable Corporation
888-805-0355

High Temperature

Silicone Motor Lead Wire SF-2 - SFF-2 - SRML

Silicone Rubber/Glass Braid 150°C and 200C 600V

Part Number	AWG Stranding	No of Conductors	Insulation Thickness	Jacket Thickness	Nominal O.D.	Weight/Mft Nom.
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Type SF-2 200°C UL 3071 CSA SEW-2

W3900	18 (7/26)	1	.031	.005	.130	12
W3901	16 (7/24)	1			.140	16
W3902	14 (7/22)	1			.160	22
W3903	12 (19/25)	1			.180	32
W3904	10 (19/23)	1	.047		.240	52

Type SFF-2 150°C UL 3071 CSA SEWF-2

W3905	18 (16/30)	1	.031	.005	.130	12
W3906	16 (26/30)	1			.140	16
W3907	14 (41/30)	1			.160	22
W3908	12 (65/30)	1			.180	32

Type SRML UL 3101, 3231, 3278 CSASEW-2

W3909	10 (105/30)	UL 3101	.047	.005 Glass	.236	56
W3910	8 (133/29)	UL 3278	.062	.010	.302	92
W3911	6 (133/27)				.345	130
W3912	4 (133/25)	UL 3231	.078	.015	.400	192
W3913	2 (133/23)				.467	282
W3914	1/0 (259/24)				.610	468
W3915	2/0 (259/23)				.660	545
W3916	3/0 (259/22)				.770	670
W3917	4/0 (259/21)		.785	820		

Specifications:

Conductor:	Flexible Stranded Tinned Copper
Insulation:	Silicone Rubber
Jacket:	Glass Braid
Approvals:	UL 3071 Type SF-2 200C 600V UL 3070 Type SFF-2 150C 600V
Application:	Lighting fixtures, Sunlamps, and Appliances

Type TGGT

Type TGGT UL 5196, 5251 250°C 600V*

W4508	18 (16/.010)	UL 5196	.025	.005	.110	23
W4509	16 (26/.010)				.120	29
W4510	14 (41/.010)				.140	40
W4511	12 (65/.010)		.030	.017	.160	55
W4512	10 (105/30)				.185	75
W4513	8 (133/29)				.235	95
W4514	6 (133/27)	UL 5251	.035	.017	.315	135
W4515	4 (133/25)				.373	175
W4516	2 (133/23)				.432	230
W4517	1 (259/.020)				.485	290
W4518	1/0 (259/24)		.025	.025	.530	350
W4519	2/0 (259/23)				.600	410
W4520	3/0 (259/22)				.660	480
W4521	4/0 (259/21)		.725	560		

* For 600V R.M.S. rating where ambient temperature does not exceed 650F or conductor temperature does not exceed 70F for more than 100 hours.

Specifications:

Conductor:	Nickel Covered Copper
Insulation:	PTFE Teflon Tape
Jacket:	Glass Braid Teflon Finish
Approvals:	UL AWM Style 5196, 5251 250C 600V
Application:	Hi Temp Power and Control Applications, blast furnaces Soaking pits and coke plant Wiring.

Western Cable Corporation
888-805-0355

Type MG

Type MG UL AWM Style 5107 540°C 600V

Part Number	AWG Stranding	No of Conductors	Insulation Thickness	Glass Braid Thickness	Nominal O.D.	Weight/Mft Nom.
W4544	18 (16/30)	1	.025	.007	.118	15
W4545	16 (26/30)	1			.130	16
W4546	14 (41/30)	1			.150	22
W4547	12 (65/30)	1			.170	31
W4548	10 (105/30)	1	.035	.017	.225	54
W4549	8 (133/26)	1			.255	84
W4550	6 (133/27)	1			.310	120
W4551	4 (133/25)	1			.350	170
W4552	2 (133/23)	1			.460	.275

Specifications:

Conductor:	27% Nickel Covered Copper
Insulation:	Glass Reinforced Mica Tape
Jacket:	Impregnated Glass Braid
Approvals:	UL Listed Type MG 600V 540°C (1000°F) 450°C Commercial UL
Application:	Internal wiring of extremely high operating temperature appliances

Entertainment Stage Lighting Cable Single Conductor

Single Conductor

UL/CSA Type SC 105°C 600V

Part Number	AWG Stranding	No of Conductors	Insulation Thickness	Jacket Thickness	Nominal O.D.	Weight/Mft Nom.
6-SC	6 - 266/30	1	.080	None	.390	210
4-SC	4 - 420/30	1			.450	290
2-SC	2 - 665/30	1			.515	393
1-0-SC	1/0-1064/30	1	.090	None	.650	595
2-0-SC	2/0-1323/30	1			.655	696
4-0-SC	4/0-2107/30	1			.795	1032
6-SC-G*	6 - 266/30	1	.080		.365	158

*Green CPE Jacket (UL Only)

Specifications:

Conductor:	Rope stranded Bare Copper
Insulation:	CSPE - Black
Jacket:	None
Approvals:	UL Type SC, 600V 105C CSA-PPC Stage lighting cable
Application:	Stage Lighting

UL Type W 90°C wet or dry 2000V

Part Number	AWG Stranding	No of Conductors	Insulation Thickness	Jacket Thickness	Nominal O.D.	Weight/Mft Nom.
8-W	8 - 168/.010	1	.060	.095	.440	155
6-W	6 - 266/.010	1			.535	267
4-W	4 - 420/.010	1			.600	369
2-W	2 - 665/.010	1			.660	458
1-0-W	1/0-1064/.010	1	.080	.095	.795	658
2-0-W	2/0-1311/.010	1			.815	730
4-0-W	4/0-2109/.010	1			.955	1049
250-W	250-637/.020	1	.095	.095	1.080	1425
350-W	350-882/.020	1			1.200	1971
500-W	500-1225/.020	1			1.340	2651

Specifications:

Conductor:	Rope stranded Bare Copper
Insulation:	CPE
Jacket:	CPE - Black
Approvals:	UL Listed Type W 90C wet/Dry, 2000V MSHA listed OSHA acceptable
Application:	Portable power cable