

Introduction

Belden® portable cordage products are available in a wide assortment of styles, lengths, and thicknesses. Products offered include 2-, 3-, 4- and 5-conductor as well as multi-conductor constructions. Jacket options include PVC, Rubber, Oil-Resistant Rubber and Belflex®. Belflex is a premium PVC jacket compound (Class 43) that is superior to standard PVC for flexibility and durability.

Belden portable cordage is listed by Underwriters Laboratories Inc. (UL). This approval signifies that Underwriters Laboratories Inc. has approved all elements of the cordage as meeting their applicable construction and performance standards. Where indicated, "Certified to CSA Standards" means that Belden portable cordage has been certified by CSA as meeting their Label Service or Re-examination Service requirements. Certification under the applicable CSA Standards has been made mandatory by most provincial or municipal authorities in Canada.

Most of our portable cordage constructions are available from stock. Many of these are available off the shelf from distributors. If you have a new or unusual application or you cannot find portable cordage in this catalog section that meets your technical requirements, contact Technical Support at 1-800-BELDEN-1.

Manufacturer's Identification

Identification of the flexible cord is provided by our UL and CSA file numbers or printed name on the cord jacket.

UL/CSA File Numbers

UL: E-3462

CSA: LL-7874

Portable Cordage Packaging

Belden's unique UnReel® cable dispenser is available for many of the portable cordage products listed in this section. The letter "U" before the specified put-up length denotes UnReel packaging.

Color Code Comparison by Function

Color Coding		Function
International	North American Standards	
Light Blue	White	N-Neutral
Brown	Black	L-Live
Green/Yellow	Green or Green/Yellow	E-Earth or Ground

2-Conductor

UL/CSA Types: SPT-1, SPT-2, SP-1 and HPN

Description	Part No.	Standard Lengths		Standard Unit Weight		Jacket Color	Conductor AWG (stranding)	Nom. Insulation Thickness		Nom. Jacket Thickness		Nominal OD	
		Ft.	m	Lbs.	kg			Inch	mm	Inch	mm	Inch	mm

SPT-1 PVC Parallel Lamp Cord • UL/CSA Listed

300V, 60°C • One Conductor Polarity Ribbed													
	19122	250 [†]	76.2	5.8	2.6	Brown, White, Black, Silver-Gray	18 (42x34) BC	.032	.81	—	—	.110	2.79
		1000 ^{††}	304.8	21.0	9.5							x .207	x 5.26
	8888*	250	76.2	5.5	2.5	Brown	18 (42x34) BC	.032	.81	—	—	.110	2.79
		U-1000	U-304.8	21.0	9.5							x .207	x 5.26

SPT-2 PVC Parallel Lamp Cord • UL/CSA Listed

300V, 60°C • One Conductor Polarity Ribbed													
	19123	250 [†]	76.2	7.8	3.5	Brown, White, Black	18 (42x34) BC	.049	1.24	—	—	.144	3.66
												x .277	x 7.04
	19126	250 [†]	76.2	9.8	4.4	Brown, Black	16 (65x34) BC	.048	1.22	—	—	.155	3.94
												x .299	x 7.59

SP-1 Rubber Parallel Lamp Cord • UL Listed

300V, 60°C • One Conductor Polarity Ribbed													
	19115*	250 [†]	76.2	6.8	3.1	Brown, Black	18 (41x34) BC	.035	.89	—	—	.123	3.12
												x .227	x 5.77

HPN CPE Heater Cord • UL/CSA Listed

300V, 90°C													
	19405	250 [†]	76.2	7.8	3.5	Black	18 (41x34) BC	.047	1.18	—	—	.140	3.56
		1000 [†]	304.8	31.0	14.1							x .276	x 7.01
	19404	250 [†]	76.2	9.8	4.4	Black	16 (105x36) BC	.047	1.18	—	—	.152	3.86
		1000 [†]	304.8	39.0	17.7							x .300	x 7.62

BC = Bare Copper • CPE = Chlorinated Polyethylene

*Not CSA recognized.

[†]Put-ups may contain more than one piece. Minimum length of any one piece is 50 ft.

^{††}Put-ups may contain more than one piece. Minimum length of any one piece is 100 ft.

2-Conductor

UL/CSA Types: SJ, SJO, SJTOW, SO

Description	Part No.	Standard Lengths		Standard Unit Weight		Jacket Color	Conductor AWG (stranding)	Nom. Insulation Thickness		Nom. Jacket Thickness		Nominal OD	
		Ft.	m	Lbs.	kg			Inch	mm	Inch	mm	Inch	mm

SJ Rubber Jacket • Smooth Jacket • UL/CSA Listed

300V, 60°C • Paper Tape Separator • Color Code: Black, White



8478	250	76.2	10.8	4.9	Black	18 (42x34) BC	.032	.81	.035	.89	.290	7.37
	1000	304.8	48.0	21.8								
8472	250	76.2	12.8	5.8	Black	16 (65x34) BC	.033	.84	.035	.89	.315	8.00

SJO Oil-Resistant Rubber Jacket • Smooth Jacket • UL/CSA Listed

300V, 90°C • Paper Tape Separator • Color Code: Black, White



19227	250 [†]	76.2	11.0	5.0	Black	18 (16x30) BC	.031	.79	.035	.89	.290	7.37
19228	250 [†]	76.2	13.5	6.1	Black	16 (26x30) BC	.031	.79	.035	.89	.315	8.00

SJTOW Belflex® Matte Black Premium PVC • Smooth Jacket • UL/CSA Listed

300V, 105°C • Paper Tape Separator • International Color Code: Light Blue, Brown

VW-1



19506*	250	76.2	11.0	5.0	Matte Black	18 (42x34) BC	.032	.81	.035	.89	.290	7.34
19507*	250	76.2	13.5	6.1	Matte Black	16 (65x34) BC	.033	.84	.037	.94	.319	8.10
19508*	250	76.2	17.0	7.7	Matte Black	14 (41x30) BC	.033	.84	.032	.81	.348	8.84

SO Oil-Resistant Rubber Jacket • Smooth Jacket • UL/CSA Listed

600V, 90°C • Cotton Serve Separator • Color Code: Black, White



19204	250 [†]	76.2	18.5	8.4	Black	18 (42x34) BC	.032	.81	.065	1.65	.360	9.14
19203	250 [†]	76.2	19.0	8.6	Black	16 (65x34) BC	.033	.84	.065	1.65	.385	9.78
19202	250 [†]	76.2	37.3	16.9	Black	14 (41x30) BC	.048	1.22	.085	2.16	.523	13.28

600V, 90°C • Paper Tape Separator • Color Code: Black, White



19201	250 [†]	76.2	52.8	24.0	Black	12 (65x30) BC	.051	1.30	.100	2.54	.610	15.49
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BC = Bare Copper

*These constructions are approved as water-resistant, oil-resistant and for outdoor use.

[†]Put-ups may contain more than one piece. Minimum length of any one piece is 50 ft.

2-Conductor

UL/CSA Types: STOW, SV, SVT

Description	Part No.	Standard Lengths		Standard Unit Weight		Jacket Color	Conductor AWG (stranding)	Nom. Insulation Thickness		Nom. Jacket Thickness		Nominal OD	
		Ft.	m	Lbs.	kg			Inch	mm	Inch	mm	Inch	mm

STOW Belflex® Matte Black Premium PVC • Smooth Jacket • UL/CSA Listed

600V, 105°C • Paper Tape Separator • International Color Code: Light Blue, Brown

	VW-1	19500*	250	76.2	16.0	7.3	Matte Black	18 (42x34) BC	.032	.81	.070	1.78	.360	9.14
		19501*	250	76.2	18.8	8.5	Matte Black	16 (65x34) BC	.033	.84	.070	1.78	.386	9.80
		19502*	250	76.2	34.0	15.5	Matte Black	14 (41x30) BC	.049	1.24	.089	2.26	.524	13.31

SV Rubber Jacket • Serrated Jacket • UL/CSA Listed

300V, 60°C • Cotton Serve Separator • Color Code: Black, White

	8452	250	76.2	9.5	4.3	Black	18 (42x34) BC	.017	.43	.037	.94	.245	6.22
		U-500	U-152.4	18.5	8.4								
		500	152.4	17.0	7.7								
		U-1000	U-304.8	36.0	16.3								
		1000	304.8	38.0	17.3								

SV Rubber Jacket • Smooth Jacket • UL/CSA Listed

300V, 60°C • Cotton Serve Separator • Color Code: Black, White

	19120	250†	76.2	8.8	4.0	Black	18 (42x34) BC	.017	.43	.037	.94	.245	6.22
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SVT PVC Jacket • Serrated Jacket • UL/CSA Listed

300V, 60°C • Paper Tape Separator • Color Code: Black, White

	19140	250†	76.2	8.8	4.0	Black, Gray	18 (42x34) BC	.018	.46	.036	.91	.243	6.17
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BC = Bare Copper

*These constructions are approved as water-resistant, oil-resistant and for outdoor use.

†Put-ups may contain more than one piece. Minimum length of any one piece is 50 ft.

3-Conductor

UL/CSA Types: S, SO, SJ

Description	Part No.	Standard Lengths		Standard Unit Weight		Jacket Color	Conductor AWG (stranding)	Nom. Insulation Thickness		Nom. Jacket Thickness		Nominal OD	
		Ft.	m	Lbs.	kg			Inch	mm	Inch	mm	Inch	mm

S Rubber Jacket • Smooth Jacket • UL/CSA Listed**600V, 60°C** • Cotton Serve Separator • Color Code: Black, White, Green

19109	250 [†]	76.2	18.8	8.5	Black	18 (42x34) BC	.032	.81	.065	1.65	.380	9.65
19108	250 [†]	76.2	27.5	12.5	Black	16 (65x34) BC	.033	.84	.065	1.65	.405	10.29

600V, 60°C • Paper Tape Separator • Color Code: Black, White, Green

19107	250 [†]	76.2	42.3	19.2	Black	14 (41x30) BC	.048	1.22	.085	2.16	.535	13.59
19106	250 [†]	76.2	61.8	28.1	Black	12 (65x30) BC	.051	1.30	.099	2.51	.640	16.26
19105	250 [†]	76.2	78.0	35.5	Black	10 (105x30) BC	.050	1.27	.099	2.51	.681	17.30

SO Oil-Resistant Rubber Jacket • Smooth Jacket • UL/CSA Listed**600V, 90°C** • Cotton Serve Separator • Color Code: Black, White, Green

19209	250 [†]	76.2	19.3	8.8	Black	18 (42x34) BC	.032	.81	.065	1.65	.380	9.65
19208	250 [†]	76.2	26.5	12.0	Black	16 (65x34) BC	.033	.84	.063	1.60	.400	10.16

600V, 90°C • Paper Tape Separator • Color Code: Black, White, Green

19207	250 [†]	76.2	43.5	19.7	Black	14 (41x30) BC	.048	1.22	.086	2.18	.538	13.67
19206	250 [†]	76.2	62.8	28.5	Black	12 (65x30) BC	.051	1.30	.100	2.54	.632	16.05
19205	250 [†]	76.2	79.3	36.0	Black	10 (105x30) BC	.050	1.27	.099	2.51	.681	17.30

SJ Rubber Jacket • Smooth Jacket • UL/CSA Listed**300V, 60°C** • Paper Tape Separator • Color Code: Black, White, Green

19129	250 [†]	76.2	13.8	6.3	Black	18 (16x30) BC	.031	.79	.039	.99	.315	8.00
19125	250 [†]	76.2	13.5	6.1	Black	18 (42x34) BC	.032	.81	.038	.97	.315	8.00
19130	250 [†]	76.2	17.5	7.9	Black	16 (26x30) BC	.031	.79	.038	.97	.340	8.64
19124	250 [†]	76.2	16.5	7.5	Black	16 (65x34) BC	.033	.84	.038	.97	.340	8.64
8479	250	76.2	7.8	3.5	Black	14 (41x30) BC	.031	.79	.039	.99	.380	9.65

BC = Bare Copper

[†]Put-ups may contain more than one piece. Minimum length of any one piece is 50 ft.

3-Conductor

UL/CSA Types: SJO, SJT

Description	Part No.	Standard Lengths		Standard Unit Weight		Jacket Color	Conductor AWG (stranding)	Nom. Insulation Thickness		Nom. Jacket Thickness		Nominal OD	
		Ft.	m	Lbs.	kg			Inch	mm	Inch	mm	Inch	mm

SJO Oil-Resistant Rubber Jacket • Smooth Jacket • UL/CSA Listed

300V, 90°C • Paper Tape Separator • Color Code: Black, White, Green



19229	250 [†]	76.2	14.3	6.5	Black	18 (16x30) BC	.031	.79	.039	.99	.315	8.00
19230	250 [†]	76.2	17.8	8.1	Black	16 (26x30) BC	.031	.79	.038	.97	.340	8.64

SJT PVC Jacket • Serrated Jacket • UL/CSA Listed

300V, 60°C • Paper Tape Separator • Color Code: Black, White, Green (18 AWG); Black, White, Green/Yellow (16 AWG)



19348	250 [†]	76.2	17.3	7.8	Gray, Black	18 (42x34) BC	.032	.81	.046	1.17	.328	8.33
19349	250 [†]	76.2	18.3	8.3	Gray, Black	16 (65x34) BC	.033	.83	.038	.97	.340	8.64

SJT PVC Jacket • Smooth Jacket • UL/CSA Listed

300V, 60°C • Paper Tape Separator • International Color Code: Light Blue, Brown, Green/Yellow



19352	250	76.2	17.5	8.0	Black	18 (42x34) BC	.032	.81	.046	1.17	.328	8.33
19353	250	76.2	20.0	9.1	Black	16 (65x34) BC	.033	.84	.036	.91	.353	8.97
19354	250	76.2	25.0	11.4	Black	14 (41x30) BC	.033	.84	.038	.97	.380	9.65

SJT PVC Jacket • Shielded • Smooth Jacket • 20 AWG Drain Wire (7x28) • UL/CSA Listed

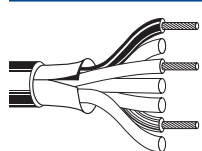
300V, 60°C Shielded • Beldfoil® Shield (100% Coverage) • International Color Code: Light Blue, Brown, Green/Yellow



19362	250	76.2	17.3	7.8	Black	18 (42x34) BC	.032	.81	.050	1.27	.340	8.64
	500	152.4	35.0	15.9								
19363	250	76.2	21.3	9.7	Black	16 (65x34) BC	.033	.84	.047	1.19	.365	9.27
19364	250	76.2	26.3	11.9	Black	14 (41x30) BC	.033	.84	.042	1.07	.402	10.21

SJT PVC Jacket • Low Leakage Power Cord • Smooth Jacket • UL Listed

300V, 75°C • Paper Tape Separator • Color Code: Black, White, Green



9998*	500 ^{††}	152.4	55.5	25.2	Gray	16 (65x34) BC	.033	.84	.045	1.14	.475	12.07
	1000 ^{††}	304.8	107.0	48.5	Lt. Blue	Bare Copper						

BC = Bare Copper

*Not CSA recognized.

[†]Put-ups may contain more than one piece. Minimum length of any one piece is 50 ft.

^{††}Put-ups may contain more than one piece. Minimum length of any one piece is 100 ft.

3-Conductor

UL/CSA Types: SJTOW, STOW, SV, SVT

Description	Part No.	Standard Lengths		Standard Unit Weight		Jacket Color	Conductor AWG (stranding)	Nom. Insulation Thickness		Nom. Jacket Thickness		Nominal OD	
		Ft.	m	Lbs.	kg			Inch	mm	Inch	mm	Inch	mm

SJTOW Belflex® Premium PVC • Smooth Jacket • UL/CSA Listed

300V, 105°C • Paper Tape Separator • International Color Code: Light Blue, Brown, Green/Yellow

	VW-1	19509*	250	76.2	14.0	6.4	Matte Black	18 (42x34) BC	.032	.81	.038	.97	.315	8.00
		19510*	250	76.2	17.5	7.9	Matte Black	16 (65x34) BC	.033	.84	.038	.97	.340	8.64
		19511*	250	76.2	23.8	10.8	Matte Black	14 (41x30) BC	.032	.81	.040	1.02	.380	9.65

STOW Belflex Premium PVC • Smooth Jacket • UL/CSA Listed

600V, 105°C • Paper Tape Separator • International Color Code: Light Blue, Brown, Green/Yellow

	VW-1	19503*	250	76.2	19.0	8.6	Matte Black	18 (42x34) BC	.032	.81	.070	1.78	.380	9.65
		19504*	250	76.2	23.0	10.5	Matte Black	16 (65x34) BC	.033	.84	.070	1.78	.405	10.29
		19505*	250	76.2	42.5	19.3	Matte Black	14 (41x30) BC	.049	1.24	.089	2.26	.558	14.17

SV Rubber Jacket • Smooth Jacket • UL/CSA Listed

300V, 60°C • Cotton Serve Separator • Color Code: Black, White, Green

	8453	100	30.5	4.9	2.2	Black	18 (41x34) TC	.018	.46	.036	.91	.256	6.50
		500	152.4	21.0	9.5								

SVT PVC Jacket • Serrated Jacket • UL/CSA Listed

300V, 60°C • Paper Tape Separator • Color Code: Black, White, Green

	19350	250 [†]	76.2	10.8	4.9	Gray	18 (42x34) BC	.018	.46	.038	.97	.253	6.43

SVT PVC Jacket • Smooth Jacket • UL/CSA Listed

300V, 60°C • Paper Tape Separator • International Color Code: Light Blue, Brown, Green/Yellow

	19402	250 [†]	76.2	12.3	5.6	Black	18 (42x34) BC	.018	.46	.034	.86	.253	6.43

BC = Bare Copper

*These constructions are approved as water-resistant, oil-resistant and for outdoor use.

[†]Put-ups may contain more than one piece. Minimum length of any one piece is 50 ft.

3-, 4- and 5-Conductor

UL/CSA Type: SVT, SO

UL AWM Styles: 4097 and 4256

Description	Part No.	Standard Lengths		Standard Unit Weight		Jacket Color	Conductor AWG (stranding)	Nom. Insulation Thickness		Nom. Jacket Thickness		Nominal OD	
		Ft.	m	Lbs.	kg			Inch	mm	Inch	mm	Inch	mm

3-Conductor SVT PVC Jacket • Shielded • Smooth Jacket • 22 AWG Drain Wire (7x30) • UL/CSA Listed**300V, 60°C Shielded • Beldfoil® Shield (100% Coverage) • International Color Code: Light Blue, Brown, Green/Yellow**

19401	250 †	76.2	12.3	5.6	Black	18 (42x34) BC	.018	.46	.043	1.09	.270	6.86
	1000 ††	304.8	49.0	22.3								

300V, 60°C Shielded • Duofoil® Shield (100% Coverage) • Braid (88% Coverage) • Internat'l Color Code: Light Blue, Brown, Green/Yellow

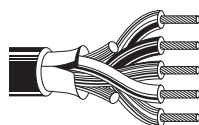
19403	250 †	76.2	17.8	8.1	Black	18 (42x34) BC	.018	.46	.038	.97	.307	7.80
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4-Conductor Rubber Jacket • Smooth Jacket • Style 4097**300V, 60°C • Paper Tape Separator • Color Code: Black, White, Brown, Red**

8454*	100	30.5	5.8	2.6	Black	18 (41x34) TC	.018	.46	.036	.91	.265	6.73
	U-500	U-152.4	27.0	12.3								
	500	152.4	25.0	11.3								
	U-1000	U-304.8	52.0	23.6								
	1000	304.8	54.0	24.5								

4-Conductor SO Oil-Resistant Rubber Jacket • Smooth Jacket • UL/CSA Listed**600V, 90°C • Paper Tape Separator • Color Code: Black, White, Green, Red**

19217	50	15.2	10.1	4.6	Black	14 (41x30) BC	.048	1.22	.087	2.21	.603	15.32
	200	60.9	43.6	19.8								
19216	50	15.2	17.2	7.8	Black	12 (65x30) BC	.051	1.30	.102	2.59	.690	17.53
	200	60.9	61.8	28.1								

5-Conductor Rubber Jacket • Smooth Jacket • Style 4256**300V, 60°C • Paper Tape Separator • Color Code: Brown, Green, White, Black, Red**

8455*	250	76.2	12.0	5.4	Black	3-20	.018	.46	.031	.79	.280	7.11
	U-500	U-152.4	25.5	11.6		(26x34)						
	U-1000	U-304.8	50.0	22.7		TC						
						2-18						
					(41x34)							
					TC							

BC = Bare Copper • TC = Tinned Copper

*Not CSA recognized.

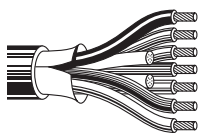
†Put-ups may contain more than one piece. Minimum length of any one piece is 50 ft.

††1000 ft. put-up one piece exact.

Multi-Conductor

Power and Control Cables

Description	Part No.	No. of Cond.	Standard Lengths		Standard Unit Weight		Jacket Color	Conductor AWG (stranding)	Nom. Insulation Thickness		Nom. Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg			Inch	mm	Inch	mm	Inch	mm

SO Oil-Resistant Rubber Jacket • Smooth Jacket • UL/CSA Listed**600V, 60°C** • Conductors Cabled with Fillers • Paper Tape Separator • Color Code: See Chart 2 (Tech Info Section)

9420	5	100	30.5	13.3	6.0	Black	16	.033	.84	.084	2.13	.506	12.85
		500	152.4	73.5	33.4		(65x34)						
		1000	304.8	143.0	65.0		BC						
9422	7	100	30.5	18.5	8.4	Black	16	.033	.84	.083	2.11	.581	14.76
		500	152.4	101.0	45.9		(65x34)						
		1000	304.8	201.0	91.4		BC						
9424	9	100	30.5	29.6	13.4	Black	16	.033	.84	.100	2.54	.720*	18.29
		500	152.4	150.5	68.4		(65x34)						
		1000	304.8	288.0	130.9		BC						
9425	12	100	30.5	32.6	14.8	Black	16	.033	.84	.100	2.54	.720	18.29
		500	152.4	165.5	75.2		(65x34)						
		1000	304.8	318.0	144.5		BC						
9427	16	100	30.5	39.5	17.9	Black	16	.033	.84	.100	2.54	.787	19.99
		500	152.4	194.5	88.7		(65x34)						
		1000	304.8	389.0	177.4		BC						
9429	20	100	30.5	48.4	22.0	Black	16	.033	.84	.100	2.54	.862	21.89
		500	152.4	233.0	105.9		(65x34)						
		1000	304.8	466.0	211.8		BC						

BC = Bare Copper • CPE = Chlorinated Polyethylene

*Fillers added in the center.

UL Cordage Type

Designation

UL Cord Type	Description
HPN	Heater Parallel Neoprene
HSJ	Heater Service Junior
HSJO	HSJ with Oil-Resistant Jacket
S	Service
SE	Service Elastomer
SEO	SE with Oil-Resistant Jacket
SE00	SEO with Oil-Resistant Insulation
SJ	Service Junior
SJE	Service Junior Elastomer
SJEO	SJE with Oil-Resistant Jacket
SJE00	SJEO with Oil-Resistant Insulation
SJO	SJ with Oil-Resistant Jacket
SJ00	SJO with Oil-Resistant Insulation
SJT	Service Junior Thermoplastic
SJTO	SJT with Oil-Resistant Jacket
SJT00	SJTO with Oil-Resistant Insulation
SO	Service with Oil-Resistant Jacket
SO0	SO with Oil-Resistant Insulation
SP-1	Service Parallel — 1/32" Insulation
SP-2	Service Parallel — 3/64" Insulation
SP-3	Service Parallel — 1/16" Insulation
SPE-1	Service Parallel Elastomer — 1/32" Insulation
SPE-2	Service Parallel Elastomer — 3/64" Insulation
SPE-3	Service Parallel Elastomer — 1/16" Insulation
SPT-1	Service Parallel Thermoplastic — 1/32" Insulation
SPT-2	Service Parallel Thermoplastic — 3/64" Insulation
SPT-3	Service Parallel Thermoplastic — 1/16" Insulation
ST	Service Thermoplastic
STO	ST with Oil-Resistant Jacket
ST00	STO with Oil-Resistant Insulation
SV	Service Vacuum
SVE	Service Vacuum Elastomer
SVEO	SVE with Oil-Resistant Jacket
SVE00	SVEO with Oil-Resistant Insulation
SVO	SV with Oil-Resistant Jacket
SV00	SVO with Oil-Resistant Insulation
SVT	Service Vacuum Thermoplastic
SVTO	SVT with Oil-Resistant Jacket
SVT00	SVTO with Oil-Resistant Insulation
TPT	Tinsel Parallel Thermoplastic
TST	Tinsel Service Thermoplastic
XTW	Decorative Lighting Thermoplastic Parallel

NOTE: Service parallel types—wall thickness for integral construction.

Elastomer is a thermoplastic material with elastomeric properties similar to rubber.

UL Cordage Type

Construction and Rating

Cord Type*	AWG Size Range	No. of Cond.	Conductor Insulation Material and Min. Average Thickness (inches)	Jacket Material and Min. Average Thickness** (inches)	Temperature Rating (°C)†		Voltage Rating
					Standard	Other	
HPN	18 – 12	2 or 3††	.045 Rubber		90	105	300
HSJ	18 – 12	2, 3, 4	.030 Rubber††	.030 Rubber	90		300
HSJO	18 – 12	2, 3, 4	.030 Rubber▲	.030 Oil-Resistant Rubber	90		300
S	18 – 2	2 or more	.030 Rubber▲	.060 Rubber▲	60	75, 90	600
SE	18 – 2	2 or more	.030 Elastomer	.060 Elastomer	105		600
SEO	18 – 2	2 or more	.030 Elastomer	.060 Elastomer	105		600
SJ	18 – 10	2, 3, 4, 5	.030 Rubber◆	.030 Rubber	60	75, 90	300
SJE	18 – 10	2, 3, 4, 5	.030 Elastomer††	.030 Elastomer	105		300
SJEO	18 – 10	2, 3, 4, 5	.030 Elastomer	.030 Elastomer	105		300
SJO	18 – 10	2, 3, 4, 5	.030 Rubber◆	.030 Oil-Resistant Rubber	60	75, 90, 105	300
SJT	18 – 10	2, 3, 4, 5	.030 Plastic◆	.030 Plastic	60	75, 90, 105	300
SJTO	18 – 10	2, 3, 4, 5	.030 Plastic◆	.030 Plastic	60	75, 90, 105	300
SO	18 – 2	2 or more	.030 Rubber▲	.060 Oil-Resistant Rubber▲	60	75, 90	600
SP-1	18	2 or 3††	.030 Rubber		60		300
SP-2	18 – 16	2 or 3††	.045 Rubber		60		300
SP-3	18 – 12	2 or 3††	.060 Rubber▲		60		300
SPT-1	18	2 or 3††	.030 Plastic		60	75, 90, 105	300
SPT-2	18 – 16	2 or 3††	.045 Plastic		60	75, 90, 105	300
SPT-3	18 – 10	2 or 3††	.060 Plastic▲		60	75, 90, 105	300
ST	18 – 2	2 or more	.030 Plastic▲	.060 Plastic▲	60	75, 90, 105	600
STO	18 – 2	2 or more	.030 Plastic▲	.060 Plastic▲	60	75, 90, 105	600
SV	18	2 or 3††	.015 Rubber	.030 Rubber	60	75, 90	300
SVE	18 – 17	2 or 3††	.015 Elastomer	.030 Elastomer	105		300
SVEO	18 – 17	2 or 3††	.015 Elastomer	.030 Elastomer	105		300
SVO	18	2 or 3††	.015 Rubber	.030 Oil-Resistant Rubber	60	75, 90	300
SVT	18 – 17	2 or 3††	.015 Plastic	.030 Plastic	60	75, 90, 105	300
SVTO	18 – 17	2 or 3††	.015 Plastic	.030 Plastic	60	75, 90, 105	300
TPT	27 (Tinsel)	2	.030 Plastic		60		300
TST	27 (Tinsel)	2	.015 Plastic	.030 Rubber	60		300

* Types SVO, SVTO, SJO, SJTO, SO, STO and HSJO have jackets which are also recognized for oil resistance at maximum temperature of 60°C. Types SJ, SJO, SJT, SJTO, S, SO, ST and STO may also be made for outdoor use and will be indicated by adding a "W" suffix to the cord type. Similarly, types SJ, SJTO, SJO, SJT, S, SO, ST and STO may also be made in water-resistant grades with "Water-Resistant" printed on the jacket. 3-wire SJT may be made in special low-leakage constructions for medical equipment cords.

** Where no jacket is shown, the construction is integral or flat style with insulation also serving as jacket.

† For cordage ratings higher than 60°C, the temperature limit is printed on the outside of the jacket. This does not apply to heater cordage type HPN, rated 90°C, or 105°C.

†† Recognized in three conductors when third or center conductor (with Green or Green/Yellow stripe) is used for equipment grounding.

▲ Insulation and jacket thickness depend on cordage size. Thickness as shown are for 18 and 16 AWG.

◆ Insulation and jacket thickness depend on cordage size.
No. 12 AWG requires .030" conductor insulation thickness and .045" jacket thickness.
No. 10 AWG requires .045" conductor insulation thickness and .060" jacket thickness.

The term Elastomer refers to thermoplastic elastomer.