

Section 8.

Portable Cordage & Power Cable



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Specifications subject to change. For complete specifications and availability visit www.lapptannehill.com



Royal® SOOW UL/CSAMSHA

Construction: Conductors: 18 AWG-10 AWG fully annealed stranded bare copper, Class K stranding per ASTM B 174.

Insulation: Premium grade oil resistant Ethylene Propylene (EPDM).

Jacket: Water, sunlight, and oil resistant, flame-retardant Chlorinated Polyethylene (CPE).

Features:

Excellent abrasion, ozone, sunlight, chemical and oil resistance, and water resistant with high degree of flexibility.

UL and CSA approved for indoor and outdoor applications. Remains flexible in cold weather environments.

Applications:

Push button remote controls, Portable industrial machinery and compressors, Water purification systems.

Technical Data:



Temperature:
-40°C to 90°C



Rated Voltage:
600V



Color Code:
Standard color code chart



Approvals:
UL Standard 62,
CSA 22.2 No. 49,
NEC Article 400,
NEC 501.140 Class I Div.2,
MSHA, RoHS



Part Number	Gauge	No. Cond.	Stranding	Insulation Thickness		Nominal OD		Weight		Amps*
				in.	mm.	in.	mm.	lbs./mft	kg/km	
SOOW-18/2-X	18	2	16/30	0.030	0.76	0.346	8.79	67	100	10
SOOW-18/3-X	18	3	16/30	0.030	0.76	0.365	9.27	84	125	10
SOOW-18/4-X	18	4	16/30	0.030	0.76	0.390	9.91	98	146	7
SOOW-18/5-X	18	5	16/30	0.030	0.76	0.465	11.81	116	173	5
SOOW-16/2-X	16	2	26/30	0.030	0.76	0.370	9.40	81	121	13
SOOW-16/3-X	16	3	26/30	0.030	0.76	0.390	9.91	94	140	13
SOOW-16/4-X	16	4	26/30	0.030	0.76	0.415	10.54	118	176	10
SOOW-16/5-X	16	5	26/30	0.030	0.76	0.495	12.57	143	213	8
SOOW-14/2-X	14	2	41/30	0.045	1.14	0.500	12.70	134	199	18
SOOW-14/3-X	14	3	41/30	0.045	1.14	0.525	13.34	169	252	18
SOOW-14/4-X	14	4	41/30	0.045	1.14	0.570	14.48	201	299	15
SOOW-14/5-X	14	5	41/30	0.045	1.14	0.668	16.97	272	405	12
SOOW-12/2-X	12	2	65/30	0.045	1.14	0.570	14.48	184	274	25
SOOW-12/3-X	12	3	65/30	0.045	1.14	0.595	15.11	224	333	25
SOOW-12/4-X	12	4	65/30	0.045	1.14	0.650	16.51	276	411	20
SOOW-12/5-X	12	5	65/30	0.045	1.14	0.713	18.11	318	473	16
SOOW-10/2-X	10	2	104/30	0.045	1.14	0.615	15.62	225	335	30
SOOW-10/3-X	10	3	104/30	0.045	1.14	0.660	16.76	299	445	30
SOOW-10/4-X	10	4	104/30	0.045	1.14	0.710	18.03	360	536	25
SOOW-10/5-X	10	5	104/30	0.045	1.14	0.770	19.56	409	609	20

Dimensions and weights are nominal and are subject to industry tolerances unless otherwise noted.

* Ampacity based on NEC Table 400.5(A)



Complete catalog available online at:
www.lapptannehill.com



Portable Cordage & Power Cable

Royal® SOOW UL/CSAMSHA

Construction: Conductors: 8 AWG-2 AWG fully annealed stranded bare copper, Stranding per ASTM B 174.

Insulation: Premium grade oil resistant Ethylene Propylene (EPDM).

Jacket: Water, sunlight, and oil resistant, flame-retardant Chlorinated Polyethylene (CPE).

Features:

Excellent abrasion, ozone, sunlight, chemical and oil resistance, and water resistant with high degree of flexibility. UL and CSA approved for indoor and outdoor applications. Remains flexible in cold weather environments.

Applications:

Push button remote controls, Portable industrial machine and compressors, water purification systems.

Additional Information:

Ampacity based on NEC Table 400.5 (A).

Technical Data:

 **Temperature:** -40°C to 90°C

 **Rated Voltage:** 600V

 **Color Code:** Standard color code chart

 **Approvals:**
UL Standard 62,
CSA 22.2 No. 49,
NEC Article 400,
NEC 501.140 Class I Div. 2,
MSHA, RoHS



Part Number	Gauge	No. Cond.	Stranding	Insulation Thickness		Nominal OD		Weight		Amps*
				in.	mm.	in.	mm.	lbs./mft	kg/km	
SOOW-8/3-X	8	3	133/29	0.060	1.52	0.880	22.35	485	722	40
SOOW-8/4-X	8	4	133/29	0.060	1.52	0.953	24.21	619	921	35
SOOW-8/5-X	8	5	133/29	0.060	1.52	1.034	26.26	722	1074	28
SOOW-6/3-X	6	3	133/27	0.060	1.52	1.040	26.42	700	1042	55
SOOW-6/4-X	6	4	133/27	0.060	1.52	1.125	28.58	837	1246	45
SOOW-6/5-X	6	5	133/27	0.060	1.52	1.185	30.10	979	1457	36
SOOW-4/3-X	4	3	133/25	0.060	1.52	1.135	28.83	902	1342	70
SOOW-4/4-X	4	4	133/25	0.060	1.52	1.255	31.88	1144	1702	60
SOOW-4/5-X	4	5	133/25	0.060	1.52	1.348	34.24	1320	1964	48
SOOW-2/3-X	2	3	133/.0223	0.060	1.52	1.305	33.15	1277	1900	95
SOOW-2/4-X	2	4	133/.0223	0.060	1.52	1.455	36.96	1639	2439	80
SOOW-2/5-X	2	5	133/.0223	0.060	1.52	1.556	39.52	1925	2864	64

Dimensions and weights are nominal and are subject to industry tolerances unless otherwise noted.

*Ampacity based on NEC Table 400.5(A)



Check out our complete inventory of products at
www.lapptannehill.com



Portable Cordage & Power Cable

Royal® SJOOW UL/CSA/MSHA

Construction: Conductors: 18 AWG-10 AWG fully annealed stranded bare copper. Class K stranding per ASTM B 174.

Insulation: Premium grade oil resistant Ethylene Propylene (EPDM).

Jacket: Water, sunlight, and oil resistant, flame-retardant Chlorinated Polyethylene (CPE).

Features:

Excellent abrasion, ozone, sunlight, chemical and oil resistance, and water resistant. UL and CSA approved for indoor and outdoor applications. Remains flexible in cold weather environments.

Applications:

Portable industrial machinery and compressors. Push button remote controls. Portable lighting systems.

Additional Information:

Tinned copper, shielding and other color codes available upon request.

Technical Data:



Temperature:
-40°C to 90°C



Rated Voltage:
300V



Color Code:
Standard color chart



Approvals:
UL Standard 62,
CSA 22.2 No. 49,
NEC Article 400,
RoHS,
NEC 501.140 Class I Div. 2,
MSHA,
Federal Spec #JC580B



Part Number	Gauge	No. Cond.	Stranding	Insulation Thickness		Nominal OD		Weight		Amps*
				in.	mm.	in.	mm.	lbs./mft	kg/km	
SJOOW-18/2-X	18	2	16/30	0.030	0.76	0.285	7.24	46	68	10
SJOOW-18/3-X	18	3	16/30	0.030	0.76	0.310	7.87	60	89	10
SJOOW-18/4-X	18	4	16/30	0.030	0.76	0.330	8.38	73	108	7
SJOOW-16/2-X	16	2	26/30	0.030	0.76	0.310	7.87	55	82	13
SJOOW-16/3-X	16	3	26/30	0.030	0.76	0.330	8.38	74	110	13
SJOOW-16/4-X	16	4	26/30	0.030	0.76	0.357	9.07	85	127	10
SJOOW-14/2-X	14	2	41/30	0.030	0.76	0.340	8.64	75	112	18
SJOOW-14/3-X	14	3	41/30	0.030	0.76	0.365	9.27	100	149	18
SJOOW-14/4-X	14	4	41/30	0.030	0.76	0.395	10.03	119	177	15
SJOOW-12/2-X	12	2	65/30	0.030	0.76	0.410	10.41	108	161	25
SJOOW-12/3-X	12	3	65/30	0.030	0.76	0.430	10.92	150	223	25
SJOOW-12/4-X	12	4	65/30	0.030	0.76	0.475	12.07	176	262	20
SJOOW-10/2-X	10	2	104/30	0.045	1.14	0.620	15.75	226	336	30
SJOOW-10/3-X	10	3	104/30	0.045	1.14	0.569	14.45	244	363	30
SJOOW-10/4-X	10	4	104/30	0.045	1.14	0.635	16.13	302	450	25

Dimensions and weights are nominal and are subject to industry tolerances unless otherwise noted.

* Ampacity based on NEC Table 400.5(A)



Please contact your sales representative for detailed information at sales@lapptannehill.com



Portable Cordage & Power Cable

Seoprene® SEOOW UL/CSA/MSHA

Construction: Conductors: 18 AWG-10AWG fully annealed stranded bare copper, Class K stranding per ASTM B 174.

Insulation: T*prene® Oil resistant Thermoplastic Elastomer (TPE), Brilliant colors for easy identification).

Jacket: Water, sunlight, and oil resistant, flame-retardant Black Seoprene® Thermoplastic Elastomer (TPE).

Features:

Excellent abrasion, ozone, sunlight, chemical and oil resistance, and water resistant with high degree of flexibility.

Non-wicking lightweight polypropylene fillers, suitable and approved for submersion in water.

Applications:

Portable industrial machinery and compressors. Food processing and washdown facilities.

Indoor and outdoor temporary power uses.

Additional Information:

Tinned copper, shielding and other color codes available upon request.



Technical Data:



Temperature:
-50°C to 105°C



Rated Voltage:
600V



Color Code:
Standard color code chart



Approvals:
UL Standard 62,
CSA 22.2 No. 49,
NEC Article 400,
RoHS,
NEC 501.140 Class I Div.2,
MSHA,
Federal Spec #JC580B

Part Number	Gauge	No. Cond.	Stranding	Insulation Thickness		Nominal OD		Weight		Amps*
				in.	mm.	in.	mm.	lbs./mft	kg/km	
SEOOW-18/2-X	18	2	16/30	0.030	0.76	0.345	8.76	53	79	10
SEOOW-18/3-X	18	3	16/30	0.030	0.76	0.365	9.27	63	94	10
SEOOW-18/4-X	18	4	16/30	0.030	0.76	0.390	9.91	79	118	7
SEOOW-18/5-X	18	5	16/30	0.030	0.76	0.465	11.81	108	161	5
SEOOW-16/2-X	16	2	26/30	0.030	0.76	0.370	9.40	64	95	13
SEOOW-16/3-X	16	3	26/30	0.030	0.76	0.390	9.91	78	116	13
SEOOW-16/4-X	16	4	26/30	0.030	0.76	0.415	10.54	93	138	10
SEOOW-16/5-X	16	5	26/30	0.030	0.76	0.495	12.57	129	192	8
SEOOW-14/2-X	14	2	41/30	0.045	1.14	0.500	12.70	115	171	18
SEOOW-14/3-X	14	3	41/30	0.045	1.14	0.525	13.34	138	205	18
SEOOW-14/4-X	14	4	41/30	0.045	1.14	0.565	14.35	166	247	15
SEOOW-14/5-X	14	5	41/30	0.045	1.14	0.645	16.38	212	316	12
SEOOW-12/2-X	12	2	65/30	0.045	1.14	0.570	14.48	151	225	25
SEOOW-12/3-X	12	3	65/30	0.045	1.14	0.595	15.11	185	275	25
SEOOW-12/4-X	12	4	65/30	0.045	1.14	0.645	16.38	227	338	20
SEOOW-12/5-X	12	5	65/30	0.045	1.14	0.710	18.03	271	404	16
SEOOW-10/2-X	10	2	104/30	0.045	1.14	0.620	15.75	192	286	30
SEOOW-10/3-X	10	3	104/30	0.045	1.14	0.655	16.64	244	363	30
SEOOW-10/4-X	10	4	104/30	0.045	1.14	0.705	17.91	300	447	25
SEOOW-10/5-X	10	5	104/30	0.045	1.14	0.765	19.43	358	533	20

Dimensions and weights are nominal and are subject to industry tolerances unless otherwise noted.

* Ampacity based on NEC Table 400.5(A)



Specifications subject to change. For complete specifications and availability visit www.lapptannehill.com



Seoprene® SEOOW UL/CSA/MSHA

Construction: Conductors: 8 AWG-2 AWG fully annealed stranded bare copper. Class K stranding per ASTM B 174.

Insulation: T*prene® Oil resistant Thermoplastic Elastomer (TPE). Brilliant colors for easy identification.

Jacket: Water, sunlight, and oil resistant, flame-retardant Black Seoprene® Thermoplastic Elastomer (TPE).

Features:

Excellent abrasion, ozone, sunlight, chemical and oil resistance, and water resistant with high degree of flexibility.

Non-wicking lightweight polypropylene fillers. Suitable and approved for submersion in water.

Applications:

Portable industrial machinery and compressors. Food processing and washdown facilities.

Indoor and outdoor temporary power uses. Indoor and outdoor temporary power uses.

Additional Information:

Tinned copper, shielding and other color codes available upon request.



 **Temperature:**
-50°C to 105°C

 **Rated Voltage:**
600V

 **Color Code:**
Standard color code chart

 **Approvals:**
UL Standard 62,
CSA 22.2 No.49,
NEC Article 400,
RoHS,
NEC 501.140 Class I Div. 2,
MSHA,
Federal Spec #JC580B

Part Number	Gauge	No. Cond	Stranding	Insulation Thickness		Nominal OD		Weight		Amps*
				in	mm	in	mm	lbs /mft	kg/km	
SEOOW-8/3-X	8	3	133/29	0.060	1.52	0.859	21.82	419	624	40
SEOOW-8/4-X	8	4	133/29	0.060	1.52	0.940	23.88	530	789	35
SEOOW-8/5-X	8	5	133/29	0.060	1.52	1.050	26.67	666	991	28
SEOOW-6/3-X	6	3	133/27	0.060	1.52	0.980	24.89	579	862	55
SEOOW-6/4-X	6	4	133/27	0.060	1.52	1.080	27.43	735	1094	45
SEOOW-6/5-X	6	5	133/27	0.060	1.52	1.185	30.10	871	1296	36
SEOOW-4/3-X	4	3	133/.0177	0.060	1.52	1.137	28.88	834	1241	70
SEOOW-4/4-X	4	4	133/.0177	0.060	1.52	1.270	32.26	1072	1595	60
SEOOW-4/5-X	4	5	133/.0177	0.060	1.52	1.390	35.31	1278	1902	48
SEOOW-2/3-X	2	3	133/.0223	0.060	1.52	1.305	33.15	1157	1722	95
SEOOW-2/4-X	2	4	133/.0223	0.060	1.52	1.460	37.08	1502	2235	80
SEOOW-2/5-X	2	5	133/.0223	0.060	1.52	1.556	39.52	1735	2582	64

Dimensions and weights are nominal and are subject to industry tolerances unless otherwise noted.

* Ampacity based on NEC Table 400.5(A)



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Please contact us at sales@lapptannehill.com, or
visit our website at: www.lapptannehill.com



Portable Cordage & Power Cable

Seoprene® SEOOW Control Cable UL/CSA/MSHA

Construction: Conductors: 18 AWG-10 AWG fully annealed stranded bare copper. Class K stranding per ASTM B 174.

Insulation: T*prene® Oil resistant Thermoplastic Elastomer (TPE). Brilliant colors for easy identification.

Jacket: Water, sunlight, and oil resistant, flame-retardant Black Seoprene® Thermoplastic Elastomer (TPE).

Features:

Excellent abrasion, ozone, sunlight, chemical and oil resistance, and water resistant with high degree of flexibility.

Non-wicking lightweight polypropylene fillers. Suitable and approved for submersion in water.

Applications:

Petrochemical manufacturing and processing facilities. Industrial cooling and refrigeration equipment.

Conveyors and multi-line automation/robotic systems.



18 (16/30) AWG				16 (26/30) AWG				14 (41/30) AWG			
Part Number	No. Cond.	Nom. OD	Weight lbs./mft	Part Number	No. Cond.	Nom. OD	Weight lbs./mft	Part Number	No. Cond.	Nom. OD	Weight lbs./mft
SEOOW-18/5-X	5	0.465	108	SEOOW-16/5-X	5	0.495	129	SEOOW-14/5-X	5	0.645	212
SEOOW-18/6-X	6	0.484	118	SEOOW-16/6-X	6	0.522	144	SEOOW-14/6-X	6	0.690	248
SEOOW-18/7-X	7	0.484	125	SEOOW-16/7-X	7	0.522	153	SEOOW-16/7-X	7	0.690	261
SEOOW-18/8-X	8	0.517	141	SEOOW-16/8-X	8	0.560	173	SEOOW-16/8-X	8	0.743	323
SEOOW-18/10-X	10	0.592	169	SEOOW-16/10-X	10	0.645	210	SEOOW-16/10-X	10	0.858	357
SEOOW-18/12-X	12	0.610	192	SEOOW-16/12-X	12	0.698	260	SEOOW-16/12-X	12	0.885	404
SEOOW-18/14-X	14	0.636	216	SEOOW-16/14-X	14	0.725	285	SEOOW-16/14-X	14	0.926	518
SEOOW-18/16-X	16	0.695	252	SEOOW-16/16-X	16	0.760	314	SEOOW-16/16-X	16	1.00	533
SEOOW-18/20-X	20	0.763	297	SEOOW-16/20-X	20	0.835	378	SEOOW-16/20-X	20	1.11	641
SEOOW-18/24-X	24	0.838	339	SEOOW-16/24-X	24	0.910	441	SEOOW-16/24-X	24	1.25	928
SEOOW-18/30-X	30	0.897	422	SEOOW-16/30-X	30	0.990	553	SEOOW-16/30-X	30	1.09	1092
SEOOW-18/37-X	37	0.980	522	SEOOW-16/37-X	37	1.071	671	SEOOW-16/37-X	37	1.42	1127

12 (65/30) AWG				10 (104/30) AWG			
Part Number	No. Cond.	Nom. OD	Weight lbs./mft	Part Number	No. Cond.	Nom. OD	Weight lbs./mft
SEOOW-12/5-X	5	0.710	271	SEOOW-10/5-X	5	0.765	358
SEOOW-14/6-X	6	0.745	308	SEOOW-14/6-X	6	0.820	415
SEOOW-16/7-X	7	0.745	332	SEOOW-16/7-X	7	0.845	449
SEOOW-16/8-X	8	0.802	369	SEOOW-16/8-X	8	0.885	552
SEOOW-16/10-X	10	0.930	461	SEOOW-16/10-X	10	1.05	639
SEOOW-16/12-X	12	0.990	550	SEOOW-16/12-X	12	1.09	839
SEOOW-16/14-X	14	1.04	700	SEOOW-16/14-X	14	1.12	855
SEOOW-16/16-X	16	1.09	786	SEOOW-16/16-X	16	1.22	1073
SEOOW-16/20-X	20	1.20	832	SEOOW-16/20-X	20	1.34	1186
SEOOW-16/24-X	24	1.36	1030	SEOOW-16/24-X	24	1.48	1394
SEOOW-16/30-X	30	1.43	1239	SEOOW-16/30-X	30	1.56	1682
SEOOW-16/37-X	37	1.54	1487	SEOOW-16/37-X	37	1.68	2031

Technical Data:

Temperature:
-50°C to 105°C

Rated Voltage: 600V

Color Code:
Standard color code

Approvals:
UL Standard 62,
CSA 22.2 No. 49,
NEC Article 400,
RoHS,
NEC 501.140 Class I Div. 2,
MSHA,
Federal Spec #JC580B



Dimensions and weights are nominal and are subject to industry tolerances unless otherwise noted.



Portable Cordage & Power Cable

Seoprene® SJEOOW UL/CSA/MSHA

Construction: Conductors: 18 AWG -10 AWG fully annealed stranded bare copper. Class K stranding per ASTM B 174.

Insulation: T*prene® Oil resistant Thermoplastic Elastomer (TPE). Brilliant colors for easy identification.

Jacket: Water, sunlight, and oil resistant, flame-retardant Black Seoprene® Thermoplastic Elastomer (TPE).

Features:

Excellent abrasion, ozone, sunlight, chemical and oil resistance, and water resistant with high degree of flexibility.

Non-wicking lightweight polypropylene fillers, suitable and approved for submersion in water.

Applications:

Portable industrial machinery and compressors. Conveyor and automated production equipment.

Indoor and outdoor temporary power uses.

Additional Information:

Tinned copper, shielding and other color codes available upon request.



Technical Data:



Temperature:
-50°C to 105°C



Rated Voltage:
300V



Color Code:
Standard color code



Approvals:
UL Standard 62,
CSA 22.2 No. 49,
NEC Article 400,
RoHS,
NEC 501.140 Class I Div. 2,
MSHA,
Federal Spec #JC580

Part Number	Gauge	No. Cond.	Stranding	Insulation Thickness		Nominal OD		Weight		Amps*
				in.	mm.	in.	mm.	lbs./mft	kg/km	
SJEOOW-18/2-0	18	2	16/30	0.030	0.76	0.285	7.24	37	55	10
SJEOOW-18/3-0	18	3	16/30	0.030	0.76	0.310	7.87	49	72	10
SJEOOW-18/4-0	18	4	16/30	0.030	0.76	0.330	8.38	59	87	7
SJEOOW-16/2-0	16	2	26/30	0.030	0.76	0.310	7.87	46	68	13
SJEOOW-16/3-0	16	3	26/30	0.030	0.76	0.330	8.38	59	87	13
SJEOOW-16/4-0	16	4	26/30	0.030	0.76	0.355	9.02	73	108	10
SJEOOW-14/2-0	14	2	41/30	0.030	0.76	0.340	8.64	60	89	18
SJEOOW-14/3-0	14	3	41/30	0.030	0.76	0.365	9.27	79	117	18
SJEOOW-14/4-0	14	4	41/30	0.030	0.76	0.395	10.03	98	145	15
SJEOOW-12/2-0	12	2	65/30	0.030	0.76	0.410	10.41	90	133	25
SJEOOW-12/3-0	12	3	65/30	0.030	0.76	0.430	10.92	116	172	25
SJEOOW-12/4-0	12	4	65/30	0.030	0.76	0.470	11.94	150	223	20
SJEOOW-10/2-0	10	2	104/30	0.045	1.14	0.545	13.84	155	230	30
SJEOOW-10/3-0	10	3	104/30	0.045	1.14	0.575	14.61	200	297	30
SJEOOW-10/4-0	10	4	104/30	0.045	1.14	0.630	16.00	257	382	25

Dimensions and weights are nominal and are subject to industry tolerances unless otherwise noted.

* Ampacity based on NEC Table 400.5(A)



Complete catalog available online at:
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Portable Cordage & Power Cable

Royal® STOW/SJTOW UL/CSA

Construction: Conductors: 18 AWG-10 AWG fully annealed stranded bare copper. Class K stranding per ASTM B 174.

Insulation: Industrial grade Polyvinyl Chloride (PVC).

Jacket: Water, sunlight, and oil resistant Polyvinyl Chloride (PVC).

Features:

SJTOW: 300V Hard Usage per NEC Article 400. STOW: 600V Extra Hard Usage per NEC Article 400.

Applications:

Temporary lighting equipment. Portable tools. Motors.

Additional Information:

Tinned copper, shielding and other color codes available upon request.

Technical Data:

Ampacity based on NEC Table 400.5 (A)

 **Temperature:** -20°C to 60°C

 **Rated Voltage:** 600V

 **Color Code:** Standard color code

 **Approvals:**
UL Standard 62.
CSA 22.2 No.49.
RoHS



Part Number	Gauge	No. Cond.	Stranding	Insulation Thickness		Nominal OD		Weight		Amps*
				in.	mm.	in.	mm.	lbs./mft	kg/km	
SJTOW-18/2-X	18	2	16/30	0.030	0.76	0.290	7.37	41	61	10
SJTOW-18/3-X	18	3	16/30	0.030	0.76	0.305	7.75	51	76	10
SJTOW-18/4-X	18	4	16/30	0.030	0.76	0.330	8.38	63	94	7
SJTOW-16/2-X	16	2	26/30	0.030	0.76	0.330	8.38	55	82	13
SJTOW-16/3-X	16	3	26/30	0.030	0.76	0.330	8.38	63	94	13
SJTOW-16/4-X	16	4	26/30	0.030	0.76	0.355	9.02	76	113	10
SJTOW-14/2-X	14	2	41/30	0.030	0.76	0.343	8.71	61	91	18
SJTOW-14/3-X	14	3	41/30	0.030	0.76	0.365	9.27	83	124	18
SJTOW-14/4-X	14	4	41/30	0.030	0.76	0.395	10.03	103	153	15
SJTOW-12/2-X	12	2	65/30	0.030	0.76	0.415	10.54	98	146	25
SJTOW-12/3-X	12	3	65/30	0.030	0.76	0.430	10.92	123	183	25
SJTOW-12/4-X	12	4	65/30	0.030	0.76	0.470	11.94	156	232	20
SJTOW-10/2-X	10	2	104/30	0.045	1.14	0.549	13.94	164	244	30
SJTOW-10/3-X	10	3	104/30	0.045	1.14	0.575	14.61	208	310	30
SJTOW-10/4-X	10	4	104/30	0.045	1.14	0.630	16.00	269	400	25
SJTOW-10/5-X	10	5	104/30	0.045	1.14	0.751	19.08	341	507	20
STOW-18/2-X	18	2	16/30	0.030	0.76	0.345	8.76	59	88	10
STOW-18/3-X	18	3	16/30	0.030	0.76	0.365	9.27	69	103	10
STOW-18/4-X	18	4	16/30	0.030	0.76	0.930	9.91	81	121	7
STOW-16/2-X	16	2	26/30	0.030	0.76	0.370	9.40	71	106	13
STOW-16/3-X	16	3	26/30	0.030	0.76	0.390	9.91	83	124	13
STOW-16/4-X	16	4	26/30	0.030	0.76	0.415	10.54	101	150	10
STOW-14/2-X	14	2	41/30	0.045	1.14	0.505	12.83	123	183	18
STOW-14/3-X	14	3	41/30	0.045	1.14	0.535	13.59	148	220	18
STOW-14/4-X	14	4	41/30	0.045	1.14	0.565	14.35	178	265	15
STOW-12/2-X	12	2	65/30	0.045	1.14	0.565	14.35	163	243	25
STOW-12/3-X	12	3	65/30	0.045	1.14	0.595	15.11	198	295	25
STOW-12/4-X	12	4	65/30	0.045	1.14	0.645	16.38	242	360	20
STOW-10/2-X	10	2	104/30	0.045	1.14	0.620	15.75	207	308	30
STOW-10/3-X	10	3	104/30	0.045	1.14	0.655	16.64	257	382	30
STOW-10/4-X	10	4	104/30	0.045	1.14	0.705	17.91	317	432	25
STOW-10/5-X	10	5	104/30	0.045	1.14	0.765	19.43	377	561	20

Dimensions and weights are nominal and are subject to industry tolerances unless otherwise noted.

* Ampacity based on NEC Table 400.5(A)

Tinned copper, shielding and other color codes available upon request.



Royal® Type W-Single Conductor

Construction: Conductors: 8 AWG to 500 MCM fully annealed stranded bare copper. Stranding per ASTM B174.

Insulation: Premium grade oil resistant Ethylene Propylene (EPDM).

Jacket: Premium grade, water, sunlight, and oil resistant, flame-retardant, Chlorinated Polyethylene (CPE).

Features:

-40°C to 90° C dry/ 90° C Wet/Submersible Rated. Excellent abrasion, ozone, sunlight, water, chemical and oil resistance, provides superior cable life in the harshest environments. Meets or exceeds all MSHA and UL flame specifications. 1/0 and larger is rated for CT use.

Applications:

Oil drilling platforms, shipyards, and marinas. Portable power generation equipment. Mining and mineral processing facilities.

Additional Information:

Tinned copper, shielding, and other color codes available upon request.



Technical Data:



Temperature:
-40°C to 90°C



Rated Voltage:
2000V



Color Code:
Standard color chart



Approvals:
UL,
NEC Article 400,
MSHA,
CSA,
RoHS

Part Number	Gauge	Stranding	Insulation Thickness		Nominal OD		Weight		Amps*	
			in.	mm.	in.	mm.	lbs./mft	kg/km	1	2
W-8-133-X	8	133/29	0.060	1.52	0.449	11.40	135	201	55	80
W-6-259-X	6	259/30	0.060	1.52	0.522	13.26	190	283	75	105
W-4-259-X	4	259/28	0.060	1.52	0.575	14.61	257	382	95	140
W-2-259-X	2	259/26	0.060	1.52	0.665	16.89	364	541	130	190
W-1-259-X	1	259/25	0.080	2.03	0.742	18.85	510	759	150	220
W-1/0-266-X	1/0	266/24	0.080	2.03	0.788	20.02	542	807	170	260
W-2/0-342-X	2/0	342/24	0.080	2.03	0.825	20.96	616	917	195	300
W-3/0-418-X	3/0	418/24	0.080	2.03	0.897	22.78	775	1153	225	350
W-4/0-532-X	4/0	532/24	0.080	2.03	0.935	23.75	942	1401	260	405
W-250MCM-627-X	250 MCM	627/24	0.095	2.41	1.008	25.60	1083	1611	290	455
W-350MCM-888-X	350 MCM	888/24	0.095	2.41	1.155	29.34	1486	2211	350	570
W-500MCM-1295-X	500 MCM	1295/24	0.095	2.41	1.315	33.40	2043	3040	430	700

Dimensions and weights are nominal and are subject to industry tolerances unless otherwise noted.

*Ampacity 1 based on NEC Table 310.16 for not more than three current carrying conductors in a raceway, based on 30°C ambient air temperature.

*Ampacity 2 based on NEC Table 310.17 for single conductor in free air assuming 30°C ambient air temperature.



Check out our complete inventory of products at
www.lapptannehill.com



Portable Cordage & Power Cable

Royal® Type W-Multi Conductors UL/CSA

Construction: Conductors: 8 AWG to 1 Awg fully annealed stranded bare copper. Stranding per ASTM B174.

Insulation: Premium grade oil resistant Ethylene Propylene (EPDM).

Jacket: Premium grade, water, sunlight, and oil resistant, flame-retardant, Chlorinated Polyethylene (CPE).

Features:

Superior abrasion, ozone, sunlight, chemical and oil resistance, and water resistant, provides excellent cable life in the harshest environments. -40°C to 90° Dry/90°C Wet/Submersible Rated. Meets or exceeds all MSHA and UL flame specifications.

Applications:

Oil drilling platforms, shipyards, and marinas. Portable power generation equipment.

Mining and mineral processing facilities.

Additional Information:

Tinned copper, shielding and other color codes available upon request.



Technical Data:

 **Temperature:**
-40°C to 90°C

 **Rated Voltage:**
2000V

 **Color Code:**
Standard color chart

 **Approvals:**
UL,
NEC Article 400,
MSHA,
c(UL),
RoHS

Part Number	Gauge	No. Cond.	Stranding	Insulation Thickness		Nominal OD		Weight		Amps*
				in.	mm.	in.	mm.	lbs./mft	kg/km	
W-8/2-X	8	2	133/29	0.060	1.52	0.814	20.68	346	515	74
W-8/3-X	8	3	133/29	0.060	1.52	0.926	23.52	509	758	74
W-8/4-X	8	4	133/29	0.060	1.52	1.000	25.40	618	920	65
W-8/5-X	8	5	133/29	0.060	1.52	1.082	27.48	746	1110	52
W-6/2-X	6	2	259/30	0.060	1.52	0.950	24.13	512	761	99
W-6/3-X	6	3	259/30	0.060	1.52	1.006	25.55	635	945	99
W-6/4-X	6	4	259/30	0.060	1.52	1.108	28.14	811	1207	87
W-6/5-X	6	5	259/30	0.060	1.52	1.225	31.11	1006	1496	69
W-4/2-X	4	2	259/28	0.060	1.52	1.070	27.18	693	1031	130
W-4/3-X	4	3	259/28	0.060	1.52	1.148	29.16	883	1315	130
W-4/4-X	4	4	259/28	0.060	1.52	1.265	32.13	1132	1685	114
W-4/5-X	4	5	259/28	0.060	1.52	1.420	36.07	1447	2154	91
W-2/2-X	2	2	259/26	0.060	1.52	1.265	32.13	977	1454	174
W-2/3-X	2	3	259/26	0.060	1.52	1.345	34.16	1231	1832	174
W-2/4-X	2	4	259/26	0.060	1.52	1.500	38.10	1636	2434	152
W-2/5-X	2	5	259/26	0.060	1.52	1.620	41.15	1977	2942	121
W-1/2-X	1	2	259/25	0.080	2.03	1.420	36.07	1206	1795	202
W-1/3-X	1	3	259/25	0.080	2.03	1.500	38.10	1566	2330	202
W-1/4-X	1	4	259/25	0.080	2.03	1.660	42.16	2041	3037	177
W-1/5-X	1	5	259/25	0.080	2.03	1.895	48.13	2594	3861	141

Dimensions and weights are nominal and are subject to industry tolerances unless otherwise noted.

*Ampacity based on NEC Table 400.5(B)



Please contact your sales representative for detailed information at sales@lapptannehill.com



Royal® Type W-Multi Conductors UL/CSA

Construction: Conductors: 1/0 AWG to 500 MCM fully annealed stranded bare copper. Stranding per ASTM B174.

Insulation: Premium grade oil resistant Ethylene Propylene (EPDM).

Jacket: Premium grade, water, sunlight, and oil resistant, flame-retardant, Chlorinated Polyethylene (CPE).

Features:

Superior abrasion, ozone, sunlight, chemical and oil resistance, and water provides excellent cable life in the harshest environments. -40° to 90° Dry/90°C Wet/Submersible Rated. Meets or exceeds all MSHA and UL flame specifications.

Applications:

Oil drilling platforms, shipyards, and marinas. Portable power generation equipment. Mining and mineral processing facilities.

Additional Information:

Tinned copper, shielding and other color codes available upon request.



Technical Data:



Temperature:
-40°C to 90°C



Rated Voltage:
2000V



Color Code:
Standard color code



Approvals:
UL,
NEC Article 400,
MSHA,
c(UL),
RoHS

Part Number	Gauge	No. Cond.	Stranding	Insulation Thickness		Nominal OD		Weight		Amps*
				in.	mm.	in.	mm.	lbs./mft	kg/km	
W-1/0-2-X	1/0	2	266/24	0.080	2.03	1.500	38.10	1402	2086	234
W-1/0-3-X	1/0	3	266/24	0.080	2.03	1.620	41.15	1894	2818	234
W-1/0-4-X	1/0	4	266/24	0.080	2.03	1.775	45.09	2443	3635	205
W-1/0-5-X	1/0	5	266/24	0.080	2.03	1.935	49.15	2910	4331	164
W-2/0-2-X	2/0	2	342/24	0.080	2.03	1.620	41.15	1681	2502	271
W-2/0-3-X	2/0	3	342/24	0.080	2.03	1.735	44.07	2301	3424	271
W-2/0-4-X	2/0	4	342/24	0.080	2.03	1.935	49.15	2870	4270	237
W-2/0-5-X	2/0	5	342/24	0.080	2.03	2.050	52.07	3418	5087	189
W-3/0-2-X	3/0	2	418/24	0.080	2.03	1.735	44.07	1930	2873	313
W-3/0-3-X	3/0	3	418/24	0.080	2.03	1.895	48.13	2685	3996	313
W-3/0-4-X	3/0	4	418/24	0.080	2.03	2.050	52.07	3422	5092	274
W-3/0-5-X	3/0	5	418/24	0.080	2.03	2.250	57.15	4142	6163	219
W-4/0-2-X	4/0	2	532/24	0.080	2.03	1.895	48.13	2386	3551	361
W-4/0-3-X	4/0	3	532/24	0.080	2.03	2.015	51.18	3185	4740	361
W-4/0-4-X	4/0	4	532/24	0.080	2.03	2.250	57.15	4166	6199	316
W-4/0-5-X	4/0	5	532/24	0.080	2.03	2.445	62.10	5061	7531	252
W-250MCM-3-X	250 MCM	3	627/24	0.095	2.41	2.238	56.85	3830	5700	402
W-20MCM-4-X	250 MCM	4	627/24	0.095	2.41	2.645	67.18	5357	7972	321
W-350MCM-3-X	350 MCM	3	888/24	0.095	2.41	2.680	68.07	5700	8482	495
W-350MCM-4-X	350 MCM	4	888/24	0.095	2.41	2.960	75.18	7269	10817	396
W-500MCM-3-X	500 MCM	3	1295/24	0.095	2.41	3.035	77.09	7724	11494	613
W-500MCM-4-X	500 MCM	4	1295/24	0.095	2.41	3.390	86.11	10053	14959	490

Dimensions and weights are nominal and are subject to industry tolerances unless otherwise noted.

* Ampacity based on NEC Table 400.5(B)



Specifications subject to change. For complete specifications and availability visit www.lapptannehill.com



Portable Cordage & Power Cable

Royal® Excelene® Welding Cable

Construction: Conductors: 8-4/0 fully annealed stranded bare copper.

Insulation: Industrial grade Ethylene Propylene (EP) Rubber.

Features:

Finely stranded bare copper provides extra flexible constructions. Greater temperature range (-50°C to 105°C) than typical welding cable. Abrasion and tear resistant industrial grade jacket compound.

Applications:

Secondary voltage resistance welding cable leads. Temporary power uses. National electrical code Article 630 electric welders.

Additional Information:

Tinned copper and colors available upon request.



Technical Data:

 Temperature: -50°C to 105°C	 Rated Voltage: 600V	 Color Code: Standard	 Approvals: RoHS
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RECOMMENDED MINIMUM WELDING CABLE SIZING CHART

Welding Current	Length in Feet For Total Circuit for Secondary Voltages Only (DO NOT Use This Table For 600 Volt In-Line Applications)						
Amps	50	100	150	200	250	300	350
100	4	4	4	2	2	1	1/0
150	4	4	2	1	1/0	2/0	3/0
200	2	2	1	1/0	2/0	3/0	4/0
250	2	2	1/0	2/0	3/0	4/0	
300	1	1	2/0	3/0	4/0		
350	1/0	1/0	3/0	4/0			
400	2/0	2/0	3/0				
500	3/0	4/0	4/0				
600	4/0	4/0					

- Ampacities are based on 105°C conductor temperature, 40°C ambient air / 50% duty cycle and approximate voltage drop of 4V @ 25°C conductor temperature or 5VB @ 105°C conductor temperature.

Part Number	Gauge	Stranding	Insulation Thickness		Nominal OD		Weight	
			in.	mm.	in.	mm.	lbs./mft	kg/km
WELDING-8-X	8	168/30	0.064	1.63	0.285	7.24	85	126
WELDING-6-X	6	266/30	0.064	1.63	0.305	7.75	116	173
WELDING-4-X	4	392/30	0.064	1.63	0.340	8.64	159	240
WELDING-2-X	2	651/30	0.064	1.63	0.420	10.67	251	374
WELDING-1-X	1	798/30	0.084	2.13	0.490	12.45	321	460
WELDING-1/0-X	1/0	1026/30	0.084	2.13	0.525	13.34	395	451
WELDING-2/0-X	2/0	1254/30	0.084	2.13	0.570	14.48	471	701
WELDING-3/0-X	3/0	1615/30	0.084	2.13	0.635	16.13	588	710
WELDING-4/0-X	4/0	2052/30	0.084	2.13	0.695	17.65	749	1065

Dimensions and weights are nominal and are subject to industry tolerances unless otherwise noted.



Complete catalog available online at:
www.lapptannehill.com



Royal® XLP USE-2 UL

Construction: Conductors: 14 awg-1000 MCM fully annealed stranded bare copper. Class B Stranding per ASTM B 8.

Insulation: Black flame retardant cross-linked polyethylene (XLPE).

Features:

Rated 90°C wet or dry. Superior electrical and physical properties. Excellent moisture resistance. Resistant to heat deformation and crush. Oil and gas resistant. Direct burial approved.

Applications:

Well suited for a variety of industrial utility, and commercial applications. Can be used in raceways, conduit, direct burial, and aerial applications, and cable tray where CT rated (1/0) and larger).

Technical Data:

 **Temperature:**
-40°C to 90°C

 **Rated Voltage:**
600V

 **Color Code:**
Standard color code

 **Approvals:**
UL 44 Type RHH/RHW-2,
ICEEA S-95-658/Nema WC70,
Oil and gas resistant II, IEEE383,
IEEE 1202/CSA FT4,
UL854 Type USE-2,
For CT use on 1/0 and larger,
For 1/0 and larger IEEE,
ICEA T-29-520.



Part Number	Gauge	Stranding	Insulation Thickness		Nominal OD		Weight	
			in.	mm.	in.	mm.	lbs./mft	kg/km
USE-14-7-X	14	7/.0242	0.045	1.14	0.164	4.16	23	35
USE-12-7-X	12	7/.0305	0.045	1.14	0.184	4.67	32	48
USE-10-7-X	10	7/.0385	0.045	1.14	0.207	5.25	47	70
USE-8-7-X	8	7/.0486	0.060	1.52	0.268	6.80	76	113
USE-6-7-X	6	7/.0612	0.060	1.52	0.306	7.77	111	165
USE-4-7-X	4	7/.0772	0.060	1.52	0.354	8.99	165	245
USE-2-7-X	2	7/.0974	0.060	1.52	0.414	10.51	248	369
USE-1-7-X	1	7/.1093	0.080	2.03	0.497	12.62	320	476
USE-1/0-19-X	1/0	19/.0745	0.080	2.03	0.534	13.56	393	585
USE-2/0-19-X	2/0	19/.0837	0.080	2.03	0.538	14.79	488	727
USE-3/0-19-X	3/0	19/.0940	0.080	2.03	0.618	15.70	604	898
USE-4/0-19-X	4/0	19/.1055	0.080	2.03	0.692	17.57	741	1103
USE-25MCM-X	250 MCM	37/.0822	0.095	2.41	0.764	19.40	883	1315
USE-350MCM-X	350 MCM	37/.0974	0.095	2.41	0.873	22.17	1206	1795
USE-500MCM-X	500 MCM	37/.1162	0.095	2.41	1.005	25.52	1687	2510
USE-750MCM-X	750 MCM	61/.1109	0.110	2.79	1.250	31.75	2512	3738
USE-1000MCM-X	1000 MCM	61/.1280	0.110	2.79	1.400	35.56	3320	4940

Dimensions and weights are nominal and are subject to industry tolerances unless otherwise noted.



Check out our complete inventory of products at
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Portable Cordage & Power Cable

Royal® Diesel Locomotive (DLO)

Construction: Conductors: 8 AWG-777MCM AWG fully annealed stranded tinned copper in accordance with AAR-598 and ASTM B33.

Insulation: Premium grade Ethylene Propylene (EP) Rubber.

Jacket: Black Chlorinated Polyethylene (CPE).

Features:

90°C Wet/Dry for continuous exposure. Approved for CT use (1/0 and larger). Highly resistant to oils, alkalis and acids.

Applications:

Mining and other industrial equipment. Motor leads. Petrochemical drilling rigs. Diesel electric locomotives.

Additional Information:

Bare copper, FT4 and colors available upon request.



Technical Data:



Temperature:
N/A



Rated Voltage:
2000V Type DLO/
600V UL Type RHH/
RHW-2,
1000V c(UL) Type RW-90



Color Code:
Standard color code



Approvals:
ICEA S-95-685/NEMA WC 70.
UL 44 TYPE RHH/RHW-2,
c(UL) RW90,
MSHA,
RoHS

Part Number	Gauge	Stranding	Insulation Thickness		Nominal OD		Weight		Amps*
			in.	mm.	in.	mm.	lbs./mft	kg/km	
DLO-8-31-X	8	37/0211	0.065	1.65	0.348	8.84	105	156	80
DLO-6-61-X	6	61/24	0.065	1.65	0.386	9.80	146	217	105
DLO-4-105-X	4	105/24	0.065	1.65	0.438	11.13	206	307	140
DLO-2-161-X	2	161/24	0.065	1.65	0.500	12.70	293	436	190
DLO-1-210-X	1	210/24	0.085	2.16	0.613	15.57	392	584	220
DLO-1/0-266-X	1/0	266/24	0.085	2.16	0.620	15.75	462	688	260
DLO-2/0-342-X	2/0	342/24	0.085	2.16	0.680	17.27	558	830	300
DLO-3/0-418-X	3/0	418/24	0.085	2.16	0.752	19.10	673	1003	350
DLO-4/0-532-X	4/0	532/24	0.085	2.16	0.780	19.81	833	1240	405
DLO-262-646-X	262.6	646/24	0.100	2.54	0.920	23.37	1077	1603	467
DLO-313-779-X	313.3	779/24	0.100	2.54	0.968	24.59	1225	1823	518
DLO-373-931-X	373.7	931/24	0.100	2.54	1.065	27.05	1485	2210	588
DLO-444-1102-X	444.4	1102/24	0.100	2.54	1.132	28.75	1913	2847	649
DLO-535-1330-X	535.3	1330/24	0.125	3.18	1.240	31.50	2023	3010	725
DLO-646-1591-X	646.6	1591/24	0.125	3.18	1.359	34.51	2515	3742	814
DLO-777-1924-X	777.7	1924/24	0.125	3.18	1.382	35.10	3050	4538	900

Dimensions and weights are nominal and are subject to industry tolerances unless otherwise noted.

*Ampacity based on NEC Table 310.17 (8 AWG thru 4/0) 90°C.

Larger sizes based on single conductor in free air, 30°C ambient and 90°C cond temperature.



Please contact your sales representative for detailed information at sales@lapptannehill.com



Seoprene® Compact 600®

Construction: Conductors: 18 AWG-12 AWG fully annealed stranded bare copper. Class K stranding per ASTM B 174.

Insulation: Industrial grade Polyvinyl Chloride (PVC). Nylon-armored protective sheath.

Jacket: Water, sunlight, and oil resistant Seoprene® Thermoplastic Elastomer (TPE). Temperature range -40°C to 90°C.

Features:

Specially engineered reduced diameter makes this cable ideal for tight or restricted areas. Nylon-armored conductors reduces stress and fatigue during continuous flexing.

Applications:

Cranes and hoists. High-flexing robotic systems. Pendant and reels.

Additional Information:

Tinned copper, shielding and other color codes available upon request.

Technical Data:

 **Temperature:**
-40°C to 90°C

 **Rated Voltage:** 600V

 **Color Code:**
Standard color code

 **Approvals:**
UL Standard 1277,
RoHS



CONDUCTOR DATA:

Size AWG	Strands No. / O.D. (inches)	PVC Insul. (inches)	Nylon Armor (inches)	Approx. O.D. (inches)
18	16/.0100	0.015	0.004	0.088
16	19/.0117	0.015	0.004	0.097
14	19/.0147	0.015	0.004	0.112
12	19/.0185	0.015	0.004	0.131

18 AWG TFFN Conductors

Part Number	No. Cond.	Nom. OD	Weight lbs./mft	Part Number	No. Cond.	Nom. OD	Weight lbs./mft
COMPACT600-18/5-X	5	0.355	68	COMPACT600-16/5-X	5	0.385	107
COMPACT600-18/6-X	6	0.380	79	COMPACT600-16/6-X	6	0.419	103
COMPACT600-18/7-X	7	0.380	85	COMPACT600-16/7-X	7	0.415	125
COMPACT600-18/8-X	8	0.408	97	COMPACT600-16/8-X	8	0.444	128
COMPACT600-18/10-X	10	0.470	122	COMPACT600-16/10-X	10	0.515	161
COMPACT600-18/12-X	12	0.484	137	COMPACT600-16/12-X	12	0.565	197
COMPACT600-18/14-X	14	0.502	149	COMPACT600-16/14-X	14	0.575	220
COMPACT600-18/16-X	16	0.565	180	COMPACT600-16/16-X	16	0.606	243
COMPACT600-18/20-X	20	0.611	221	COMPACT600-16/20-X	20	0.680	297
COMPACT600-18/24-X	24	0.680	267	COMPACT600-16/24-X	24	0.715	394
COMPACT600-18/30-X	30	0.715	338	COMPACT600-16/30-X	30	0.787	428
COMPACT600-18/37-X	37	0.770	430	COMPACT600-16/37-X	37	0.891	536

14 AWG THHN Conductors

Part Number	No. Cond.	Nom. OD	Weight lbs./mft	Part Number	No. Cond.	Nom. OD	Weight lbs./mft
COMPACT600-14/5-X	5	0.410	116	COMPACT600-12/5-X	5	0.482	158
COMPACT600-14/6-X	6	0.446	141	COMPACT600-12/6-X	6	0.525	198
COMPACT600-14/7-X	7	0.468	160	COMPACT600-12/7-X	7	0.546	228
COMPACT600-14/8-X	8	0.481	177	COMPACT600-12/8-X	8	0.595	261
COMPACT600-14/10-X	10	0.614	239	COMPACT600-12/10-X	10	0.690	324
COMPACT600-14/12-X	12	0.606	261	COMPACT600-12/12-X	12	0.710	380
COMPACT600-14/14-X	14	0.655	305	COMPACT600-12/14-X	14	0.734	432
COMPACT600-14/16-X	16	0.693	337	COMPACT600-12/16-X	16	0.785	487
COMPACT600-14/20-X	20	0.759	419	COMPACT600-12/20-X	20	0.895	630
COMPACT600-14/24-X	24	0.846	493	COMPACT600-12/24-X	24	1.000	733
COMPACT600-14/30-X	30	0.889	601	COMPACT600-12/30-X	30	1.038	908
COMPACT600-14/37-X	37	0.982	755	COMPACT600-12/37-X	37	1.160	1106

Dimensions and weights are nominal and are subject to industry tolerances unless otherwise noted.

Tinned copper, shielding and other color codes available upon request.



Portable Cordage & Power Cable

Royal® Stage/Lighting Cable

Construction: Conductors: 8 AWG-4/0 AWG fully annealed stranded bare copper. Class K stranding per ASTM B 174.

Insulation: EPDM/CPE.

Features:

Meets/exceeds flame test requirements of UL, CSA, and MSHA. Sunlight, water, ozone and abrasion, acids, alkalis, heat, flame, and chemical resistant. High strand count bare copper conductor provides superior flexibility.

Applications:

Temporary power supply cable used in the entertainment industry such as television, sound stages, concert venues, and outdoor areas. Portable lighting systems used on movie production sets, theaters, and stages. Entertainment Industry Stage Lighting Cable (EISL)

Additional Information:

Tinned copper shielding, and other color codes available upon request.

Technical Data:

UL Type SC & CSA Type PPC



Temperature:
-50°C to 105°C



Rated Voltage:
600V



Color Code:
Standard color code



Approvals:
UL Subject 1680,
CSA C22.2 No. 96,
NEC Article 520, 525 & 530.
CEC Part I, Table 11.
RoHS



Part Number	Gauge	Stranding	Nominal OD		Weight		Amps*
			in.	mm.	lbs./mft	kg/km	
EISL-8-168-X	8	168/30	0.401	10.19	119	177	80
EISL-6-266-X	6	266/30	0.423	10.74	154	229	105
EISL-4-420-X	4	420/30	0.492	12.50	223	332	140
EISL-2-665-X	2	665/30	0.538	13.67	306	455	190
EISL-1-833-X	1	833/30	0.598	15.19	380	566	220
EISL-1/0-1064-X	1/0	1064/30	0.620	15.75	447	665	260
EISL-2/0-1330-X	2/0	1330/30	0.694	17.63	582	866	300
EISL-3/0-1672-X	3/0	1672/30	0.778	19.76	738	1098	350
EISL-4/0-2109-X	4/0	2109/30	0.813	20.65	887	1290	405

Dimensions and weights are nominal and are subject to industry tolerances unless otherwise noted.

*Max amps per NEC Table 400.5(B) for 90°C



Specifications subject to change. For complete specifications and availability visit www.lapptannehill.com



Royal® Airport Lighting Cable

Construction: Conductors: 12 AWG-4 AWG fully annealed stranded bare copper. Class B stranding per ASTM B 8.

Insulation: Black Cross-Linked Polyethylene (XLPE) over semi-conductive stress control layer.

Features:

Available in 600 or 5000 volt constructions. Direct Burial Approved

Applications:

Airport Lighting systems. Airport control equipment. Other conduit, duct, aerial, and direct burial applications.

Additional Information:

Tinned copper, shielding and colors available upon request.

Technical Data:



Temperature:
-40°C to 90°C



Rated Voltage:
600V & 5000V



Color Code:
Standard color code



Approvals:
ICEA S-66-524,
FAA-L-824,
RoHS



600 Volts

Part Number	Gauge	Stranding	Jacket Thickness		Nominal OD		Weight	
			in.	mm.	in.	mm.	lbs./mft	kg/km
ALC-12-7-X	12	7/.0305	0.045	1.14	0.184	4.67	31	46
ALC-10-7-X	10	7/.0385	0.045	1.14	0.207	5.26	41	61
ALC-8-7-X	8	7/.0486	0.065	1.65	0.274	6.96	68	101
ALC-6-7-X	6	7/.0612	0.065	1.65	0.312	7.92	102	152
ALC-4-7-X	4	7/.0772	0.065	1.65	0.360	9.14	155	231

5000 Volts

Part Number	Gauge	Stranding	Jacket Thickness		Nominal OD		Weight	
			in.	mm.	in.	mm.	lbs./mft	kg/km
ALC-8-7-X	8	7/.0486	0.110	2.79	0.366	9.30	89	133
ALC-6-7-X	6	7/.0612	0.110	2.79	0.404	10.26	117	174
ALC-4-7-X	4	7/.0772	0.110	2.79	0.460	11.68	192	286

Dimensions and weights are nominal and are subject to industry tolerances unless otherwise noted.

*Please specify voltage rating



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Portable Cordage & Power Cable

SVT

Construction: Conductors: Stranded Copper Conductors 18-16 AWG.

Insulation: Bare Copper Conductors.

Jacket: PVC.

Applications:

Floor care appliances, household food preparing machines, lamps, clocks, fans, blowers, home entertainment appliances, etc.



Technical Data:



Temperature:
60° or 105°C



Rated Voltage:
300V



Color Code:
N/A



Approvals:
UL spec No. 62,
E47523,
CSA Spec. C22.2,
No.49,
LL26332,
E217598

Part Number	Size (AWG)	No. Of. Conds.	No. Of. Strands	Insulation Thickness		Jacket Thickness		Overall Diameter		Ampacity (Amperes)	Net Weight	
				(mm)	(in)	(mm)	(in)	(mm)	(in)		(kg/km)	(lbs/Mft.)
SVT-18/2-X	18	2	41	0.38	0.015	0.76	0.030	6.10	0.240	10	47	31
SVT-18/3-X	18	3	41	0.38	0.015	0.76	0.030	6.48	0.255	10	56	38
SVT-17/2-X	17	2	52	0.38	0.015	0.76	0.030	6.15	0.242	10	53	36
SVT-17/3-X	17	3	52	0.38	0.015	0.76	0.030	7.11	0.280	10	62	42
SVT-16/2-X	16	2	65	0.38	0.015	0.76	0.030	7.11	0.280	13	55	37
SVT-16/3-X	16	3	65	0.38	0.015	0.76	0.030	7.37	0.290	13	71	48

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<HAR> Hook-up Wire

Construction: Conductors: Finely stranded tinned copper conductors.

Insulation: PVC. **Jacket:** PVC.

Features:

One inventory vs. two for domestic and export consumption. 13 color code options.

UL MTW for 16 AWG and larger.

Applications:

Panel and machine wiring for domestic and export usage.



Technical Data:

 Temperature: HAR/IEC: -40°C to +70°C, UL/CSA: -40°C to +105°C	 Rated Voltage: 2500V	 Color Code: Green/yellow=00, Black=01, Blue=02, Brown=03, Red=04, White=05, Gray=06, Violet=07, Pink=08, Orange=09, Yellow=10, Green=11, Dark Blue=14	 Approvals: UL: HO5V-K: AWM Style 1007 + 1569 HO7V-K: 1063 MTW Listed 1015 AWM. CSA: TEW. <HAR> HO5V-K & HO7V-K
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Part Number	Nominal Outer Diameter		Copper Weight	Approx. Weight		Part Number	Nominal Outer Diameter		Copper Weight	Approx. Weight	
	inches	mm	lbs/mft	lbs/mft	kg/km		inches	mm	lbs/mft	lbs/mft	kg/km
H05V-K						8 AWG (10 mm²)					
22 AWG (0.50 mm²)						41608..	.268	6.8	65	80.7	120
41804..	.087	2.2	3	5.8	9	6 AWG (16 mm²)					
20 AWG (0.75 mm²)						*41609..	.350	8.9	103	124.3	185
41805..	.094	2.4	5	7.5	11	4 AWG (25 mm²)					
18 AWG (1.00 mm²)						41610..	.398	10.1	161	174.8	260
41806..	.098	2.5	6	9.1	14	2 AWG (35 mm²)					
H07V-K						41611..	.449	11.4	226	242.0	360
16 AWG (1.50 mm²)						1 AWG (50 mm²)					
41604..	.122	3.1	10	13.4	20	*41612..	.551	14.0	323	359.6	535
14 AWG (2.50 mm²)						2/0 AWG (70 mm²)					
41605..	.146	3.7	16	20.8	31	*41613..	.622	15.8	452	494.0	735
12 AWG (4 mm²)						3/0 AWG (95 mm²)					
41606..	.173	4.4	26	30.2	45	41614..	.713	18.1	613	625.1	930
10 AWG (6 mm²)						4/0 AWG (120 mm²)					
41607..	.193	4.9	39	42.3	63	41615..	.764	19.4	774	779.7	1160

NOTE: To develop the Lapp part number - add the double digit color code to the above part number prefix.

For example: 16AWG H07V-K Green/ Yellow: 4160400

* In accordance to the HAR standards X07V-K without "HAR"- printing. ** For these colors no HAR-approval for 1.5 mm² or larger

Complete catalog available online at:
www.lapptannehill.com

Portable Cordage & Power Cable

ÖLFLEX® POWER QUAD II



Construction: Conductors: Finely stranded bare copper conductors per VDE 0295, Class 5. **Insulation:** Specially blended PVC Insulation.
Jacket: Specially formulated oil resistant black PVC.

Features:

Contains international approvals so one cable does the job of 4 reducing inventory. One product so one specification for easy and safe installation. UV resistant.

Applications:

Power cordage for domestic and exported machinery, Portable tools, Data processing, Control systems, and Commercial appliances.

Technical Data:



Temperature:

-40°C to +90°C,
-30°C to + 70°C <HAR>



Color Code:

2C=Blue, Brown,
3C=Blue, Brown, Green/Yellow,
4C=Brown, Black, Gray, Green/Yellow,
5C=Blue, Brown, Black, Gray, Green/Yellow



Approvals:

UL: Listed SJTO,
AWM 21098,
Passes Oil Resl, II,
62 Flexible Cord Thermoset Requirement,
UL1277-Crush and Impact Tests.
CSA: Certified SJTO, AWM FT1.
Additional: <HAR> Ho5VV-F



Rated Voltage:

300V-SJTO,
500V <HAR>,
600V-AWM,
test voltage: 3000V

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km	Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km
18 AWG (32/32) 1.00 mm ²							14 AWG (50/30) 2.50 mm ²						
311802	2	.285	7.2	13	45	67	311402	2	.376	9.6	32	88	131
311803	3	.300	7.6	19	53	79	311403	3	.407	10.3	48	102	152
311804	4	.330	8.3	26	73	100	311404	4	.447	11.4	65	130	194
311805	5	.375	9.5	32	93	120	311405	5	.496	12.6	81	150	223
16 AWG (30/30) 1.50 mm ²													
311602	2	.320	8.1	19	62	92							
311603	3	.332	8.4	29	73	109							
311604	4	.364	9.2	39	84	125							
311605	5	.405	10.3	48	100	149							

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LAPP GROUP



ÖLFLEX® POWER IX



Construction: **Conductors:** Finely stranded bare copper conductors. **Insulation:** Rubber, dry lubricant. **Jacket:** Neoprene.

Features:

International approvals so one cable does the job of 4 reducing inventory. One product so one specification for easy and safe installation. Oil, chemical and abrasion resistant neoprene jacket. Ideal for high stress applications in dry and damp environments. UV resistant, outdoor use.

Applications:

Power cordage for domestic and exported machinery, Portable tools, Data processing, Control systems, and Commercial appliances.

Additional Information:

Larger sizes available upon request. Minimums may apply.

Technical Data:

 **Temperature:**
-40°C to +90°C,
-25°C tp +60°C <HAR>

 **Color Code:**
3C=Blue, Brown, Green/Yellow,
4C=Brown, Black, Gray, Green/Yellow,
5C=Blue, Brown, Black, Gray, Green/Yellow

 **Approvals:**
UL: Listed SOOW
CSA: Certified SOOW
Additional: <HAR> HORN-F

 **Rated Voltage:**
450/750V <HAR>,
6000V-UL

Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km	Part Number	Number of Conductors includes ground	Nominal Outer Diameter inches	mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	kg/km
18 AWG (32/32) 1.00 mm ²							12 AWG (56/28) 4 mm ²						
321803	3	.380	9.6	19	88	130	321203	3	.620	15.7	77	216	320
16 AWG (30/30) 1.50 mm ²							321204	4	.670	17.0	103	267	395
321603	3	.400	10.2	29	111	165	321205	5	.740	18.7	129	328	485
321604	4	.450	11.4	39	135	200	10 AWG (84/28) 6 mm ²						
321605	5	.520	13.1	48	162	240	321003	3	.670	17.0	116	335	495
14 AWG (50/30) 2.50 mm ²							321004	4	.720	18.2	155	412	610
321403	3	.550	14.0	48	159	235	321005	5	.790	20.1	194	514	760
321404	4	.590	15.1	65	196	290	8 AWG (80/26) 10 mm ²						
321405	5	.670	16.9	81	230	347	320803	3	.900	22.9	194	595	880
							320804	4	.980	25.0	258	712	1060

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