

Conductor
Tin-coated copper,
(various strandings)

Insulation
Flame retardant, low smoke, zero halogen,
crosslinked polyolefin
(LSZH-XLPO)

Type LSX

(IEEE-45/IEEE 1580)

Oil Rig/Commercial
Marine

Single Conductor Power
& Control 100°C

(LSZH-XLPO)
600 V & 2000 Volt

Spec. DAA1108

Scope

IEEE-45, Type LSX single conductor* 600 and 2000 volt cable is an extremely tough construction suited for use in rugged marine/oil rig applications. The insulation has outstanding resistance to abrasion, cut-through, low and high temperatures, petro-

chemical fluids and sunlight. The material also has excellent flame retardance, acid gas, and electrical characteristics. This product is ETL Certified to IEEE-45, Type LSX for limited smoke and zero halogen properties.

Features

- Temperature -40°C to 100°C
- Thermoset Insulation
- Superior mechanical properties
- Flexible construction
- Flame retardant
- Excellent fluid/oil resistance
- Sunlight resistant
- Limited Smoke
- Zero halogen content

Performance Standards

- IEEE-45, Type LSX
- Zero Halogen
Content 0.2% maximum
- Limited Smoke
Smoke Index 25 maximum
- Meets IEC 332 flame test

Construction

Conductor:

Annealed, Tinned copper per ASTM B33, B8 and B172

Insulation:

Low smoke, zero halogen, crosslinked polyolefin
(Colors – as required)

* **Multiconductor Power, Control & Signal Cable can be supplied to IEEE-45, Type LSX** with Type L limited smoke, zero halogen jacket, with or without armor and sheath. Wire and cable also ETL certified to IEC 331 circuit integrity test. Check with factory for details.

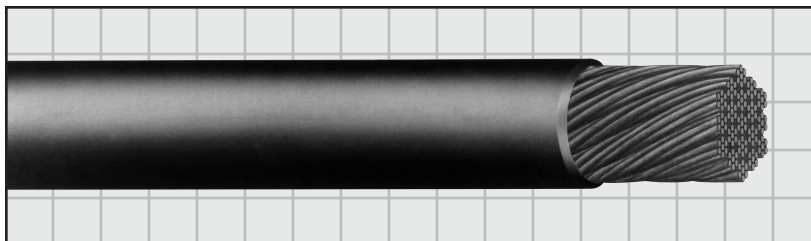
Type LSX (*IEEE-45)

Oil Rig/Commercial Marine

Single Conductor Power & Control
100°C

(LSZH-XLPO)

600 V & 2000 Volt



Spec. DAA1108

600 Volt

Product Number	Number of Conductors	AWG/ MCM	mm ²	Stranding	Insulation Thickness		Nominal Overall Diameter		Approx. Net Weight	
					Inches	mm	Inches	mm	Lbs/m'	kg/km
LSX01C18-600V	1	18	0.96	19/30	.030	.76	.114	2.89	12	18
LSX01C16-600V	1	16	1.22	19/29	.030	.76	.120	3.05	14	21
LSX01C14-600V	1	14	1.94	19/27	.030	.76	.135	3.43	19	28
LSX01C12-600V	1	12	3.08	19/25	.030	.76	.154	3.91	26	39
LSX01C10-600V	1	10	5.53	27/24	.030	.76	.187	4.75	46	69
LSX01C8-600V	1	8	7.58	37/24	.045	1.14	.231	5.87	66	99
LSX01C6-600V	1	6	12.50	61/24	.045	1.14	.280	7.11	102	153
LSX01C5-600V	1	5	18.60	91/24	.045	1.14	.330	8.38	143	214
LSX01C4-600V	1	4	21.50	105/24	.045	1.14	.350	8.89	166	249
LSX01C3-600V	1	3	25.00	125/24	.045	1.14	.379	9.63	207	310
LSX01C2-600V	1	2	10.41	150/24	.045	1.14	.410	10.41	235	352
LSX01C1-600V	1	1	12.57	225/24	.055	1.40	.495	12.57	346	519
LSX01C1/0-600V	1	1/0	56.30	275/24	.055	1.40	.545	13.84	411	616
LSX01C2/0-600V	1	2/0	66.50	325/24	.055	1.40	.595	14.99	484	726
LSX01C3/0-600V	1	3/0	92.10	450/24	.055	1.40	.660	16.76	656	984
LSX01C4/0-600V	1	4/0	112.60	550/24	.055	1.40	.720	18.29	814	1221
LSX01C262-600V	1	262	133.00	650/24	.065	1.65	.785	19.94	965	1447
LSX01C313-600V	1	313	158.60	775/24	.065	1.65	.850	21.59	1150	1725
LSX01C373-600V	1	373	189.30	925/24	.065	1.65	.900	22.86	1350	2025
LSX01C444-600V	1	444	225.10	1100/24	.065	1.65	.980	24.89	1625	2437
LSX01C535-600V	1	535	271.20	1325/24	.080	2.03	1.100	27.94	1950	2925
LSX01C646-600V	1	646	327.00	1600/24	.080	2.03	1.215	30.86	2135	3202
LSX01C777-600V	1	777	394.00	1925/24	.080	2.03	1.280	32.51	2170	3255
LSX01C1111-600V	1	1111	563.00	2750/24	.110	2.80	1.570	39.88	3950	5925

2000 Volt

Product Number	Number of Conductors	AWG/ MCM	mm ²	Stranding	Insulation Thickness		Nominal Overall Diameter		Approx. Net Weight	
					Inches	mm	Inches	mm	Lbs/m'	kg/km
LSX01C18-2KV	1	18	0.97	19/30	.045	1.14	.144	3.65	16	24
LSX01C16-2KV	1	16	1.22	19/29	.045	1.14	.151	3.84	18	27
LSX01C14-2KV	1	14	1.94	19/27	.045	1.14	.165	4.19	24	36
LSX01C12-2KV	1	12	3.08	19/25	.045	1.14	.183	4.65	33	49
LSX01C10-2KV	1	10	5.53	27/24	.045	1.14	.216	5.49	51	76
LSX01C8-2KV	1	8	7.58	37/24	.055	1.40	.252	6.40	68	102
LSX01C6-2KV	1	6	12.50	61/24	.055	1.40	.305	7.75	106	159
LSX01C5-2KV	1	5	18.60	91/24	.055	1.40	.354	8.99	153	229
LSX01C4-2KV	1	4	21.50	105/24	.055	1.40	.374	9.50	178	267
LSX01C3-2KV	1	3	25.00	125/24	.055	1.40	.399	10.13	211	316
LSX01C2-2KV	1	2	30.70	150/24	.055	1.40	.434	11.02	244	366
LSX01C1-2KV	1	1	46.00	225/24	.065	1.65	.519	13.18	365	547
LSX01C1/0-2KV	1	1/0	56.30	275/24	.065	1.65	.554	14.07	440	660
LSX01C2/0-2KV	1	2/0	66.50	325/24	.065	1.65	.604	15.34	500	750
LSX01C3/0-2KV	1	3/0	92.10	450/24	.065	1.65	.679	17.25	692	1038
LSX01C4/0-2KV	1	4/0	112.60	550/24	.105	2.67	.820	20.83	860	1290
LSX01C262-2KV	1	262	133.10	650/24	.105	2.67	.862	21.89	970	1455
LSX01C313-2KV	1	313	158.70	775/24	.105	2.67	.930	23.62	1140	1710
LSX01C373-2KV	1	373	189.00	925/24	.105	2.67	.980	24.89	1365	2047
LSX01C444-2KV	1	444	225.20	1100/24	.105	2.67	1.060	26.92	1620	2430
LSX01C535-2KV	1	535	271.30	1325/24	.120	3.05	1.180	29.97	2005	3007
LSX01C646-2KV	1	646	327.00	1600/24	.120	3.05	1.295	32.89	2320	3480
LSX01C777-2KV	1	777	394.00	1925/24	.120	3.05	1.360	34.54	2750	4125
LSX01C1111-2KV	1	1111	563.00	2750/24	.120	3.05	1.580	40.13	3765	5647