

Exane®-125 Oil Rig/Commercial Marine

Single Conductor Power*

Unarmored

(XLPO)

600 & 2000 Volt

UL Marine Shipboard
(E83358)

**IEEE 45, Type P

Spec. DAA1048B

Scope

Exane®-125 single conductor 600 and 2000 volt cable is an extremely tough construction ideally suited for use in rugged marine/oil rig applications. The insulation has outstanding resistance to abrasion, cut-through, low and high temperatures, petrochemical fluids, sunlight,

and moisture. The material also has excellent flame retardance, acid gas, and electrical characteristics. Due to Exane's 125°C temperature rating, ampacity levels are higher. This leads to important benefits regarding size, weight, tray fill, and ease of installation.

Features

- Thermoset Insulation
- Superior mechanical properties
- Flexible construction
- Flame retardant
- Excellent fluid/oil resistance
- Moisture and sunlight resistant

Performance Standards

- IEEE-45,** Type P
- UL Marine Shipboard Cable (File E83358)
- U.S. Coast Guard recognized
- Canadian Coast Guard recognized
- Performance Requirements of IEC 92-3
- Type approved ABS, DNV and Lloyds
- IEC 332-3 Category "A" Flame Test
- Insulation ICEA Standard S-66-524, and NEC Type XHHW #14 AWG and larger

Construction

Conductor:

Annealed, Tinned copper per ASTM B33, B8 and B172

Insulation:

Crosslinked polyolefin 125°C*
(Colors – as required)

* Rockbestos Surprenant rated 125°C, UL 110°C and IEEE-45 100°C

** IEEE-45 is a draft standard as of 10/9/96. Expected final release during 1998.

Exane[®]-125

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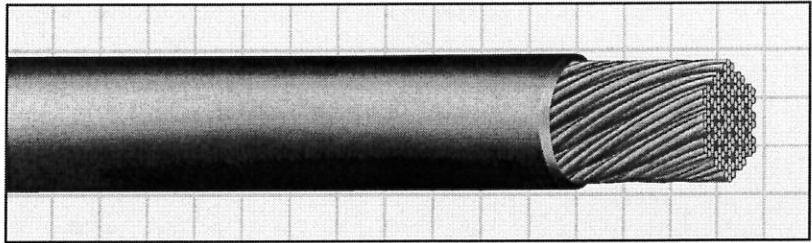
Unarmored

(XLPO) 600 & 200 Volt

UL Marine Shipboard (E83358)

**IEEE 45, Type P

Spec. DAA1048B



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
O1C18-600V	1	18	0.97	19/30	.030	.76	.114	2.09	11	16
O1C16-600V	1	16	1.22	19/29	.030	.76	.120	3.05	13	19
O1C14-600V	1	14	1.94	19/27	.030	.76	.135	3.43	18	27
O1C12-600V	1	12	3.08	19/25	.030	.76	.154	3.91	25	38
O1C10-600V	1	10	5.53	27/24	.030	.76	.187	4.75	45	68
O1C8-600V	1	8	7.58	37/24	.045	1.14	.247	6.27	65	97
O1C6-600V	1	6	12.50	61/24	.045	1.14	.306	7.77	101	152
O1C5-600V	1	5	18.60	91/24	.045	1.14	.344	8.74	142	213
O1C4-600V	1	4	21.50	105/24	.045	1.14	.364	9.25	165	248
O1C3-600V	1	3	25.00	125/24	.045	1.14	.379	9.63	205	308
O1C2-600V	1	2	30.70	150/24	.045	1.14	.427	10.85	233	358
O1C1-600V	1	1	46.00	225/24	.055	1.40	.495	12.57	343	515
O1C1/0-600V	1	1/0	56.30	275/24	.055	1.40	.565	14.35	408	612
O1C2/0-600V	1	2/0	66.50	325/24	.055	1.40	.602	15.30	481	722
O1C3/0-600V	1	3/0	92.10	450/24	.055	1.40	.695	17.65	653	980
O1C4/0-600V	1	4/0	112.60	550/24	.055	1.40	.720	18.29	810	1215
O1C262-600V	1	262	133.00	650/24	.065	1.65	.785	19.94	960	1440
O1C313-600V	1	313	158.60	775/24	.065	1.65	.850	21.59	1140	1710
O1C373-600V	1	373	189.00	925/24	.065	1.65	.900	22.86	1340	2010
O1C444-600V	1	444	225.20	1100/24	.065	1.65	.980	24.89	1610	2415
O1C535-600V	1	535	271.30	1325/24	.080	2.03	1.100	27.94	1930	2895
O1C646-600V	1	646	327.00	1600/24	.080	2.03	1.215	30.86	2310	3465
O1C777-600V	1	777	394.00	1925/24	.080	2.03	1.280	32.51	2740	4110
O1C1111-600V	1	1111	563.00	2750/24	.110	2.80	1.570	39.88	3900	5850

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
O1C18-2KV	1	18	0.97	19/30	.045	1.14	.144	3.65	15	23
O1C16-2KV	1	16	1.22	19/29	.045	1.14	.150	3.81	17	25
O1C14-2KV	1	14	1.94	19/27	.045	1.14	.165	4.19	23	35
O1C12-2KV	1	12	3.08	19/25	.045	1.14	.184	4.67	32	48
O1C10-2KV	1	10	5.53	27/24	.045	1.14	.217	5.51	50	75
O1C8-2KV	1	8	7.58	37/24	.055	1.40	.257	6.53	67	100
O1C6-2KV	1	6	12.50	61/24	.055	1.40	.316	8.03	105	157
O1C5-2KV	1	5	18.60	91/24	.055	1.40	.364	9.25	151	227
O1C4-2KV	1	4	21.50	105/24	.055	1.40	.384	9.75	176	264
O1C3-2KV	1	3	25.00	125/24	.055	1.40	.399	10.13	208	312
O1C2-2KV	1	2	30.70	150/24	.055	1.40	.447	11.35	240	358
O1C1-2KV	1	1	46.00	225/24	.065	1.65	.515	13.08	360	540
O1C1/0-2KV	1	1/0	56.30	275/24	.065	1.65	.585	14.86	435	653
O1C2/0-2KV	1	2/0	66.50	325/24	.065	1.65	.622	15.80	492	738
O1C3/0-2KV	1	3/0	92.10	450/24	.065	1.65	.715	18.16	685	1028
O1C4/0-2KV	1	4/0	112.60	550/24	.105	2.67	.850	21.59	852	1278
O1C262-2KV	1	262	133.00	650/24	.105	2.67	.895	22.73	962	1448
O1C313-2KV	1	313	158.60	775/24	.105	2.67	.960	24.38	1131	1670
O1C373-2KV	1	373	189.00	925/24	.105	2.67	.980	24.89	1354	2031
O1C444-2KV	1	444	225.20	1100/24	.105	2.67	1.105	28.07	1607	2410
O1C535-2KV	1	535	271.30	1325/24	.120	3.05	1.235	31.37	1994	2990
O1C646-2KV	1	646	327.00	1600/24	.120	3.05	1.335	33.91	2303	3455
O1C777-2KV	1	777	394.00	1925/24	.120	3.05	1.405	35.69	2734	4100
O1C1111-2KV	1	1111	563.00	2750/24	.120	3.05	1.645	41.78	4200	6300