

## Exane-125<sup>®</sup> Oil Rig/Commercial Marine

Single Conductor Power  
Armored and Sheathed

(XLPO/NEO)

600 & 2000 Volt

UL Marine Shipboard

E83358

IEEE 45, /IEEE 1580 Type P

UL 1309/CSA C22.2 No.245

**Spec. DAA1048B**

## Scope

Exane-125<sup>®</sup> 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. These cables may be supplied either with armor or with armor and sheath.

## Features

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

## Performance Standards

- IEEE-45, /IEEE 1580 Type P
- UL 1309 Marine Shipboard Cable (File E83358)
- CSA C22.2 No. 245 Marine Shipboard
- U.S. Coast Guard recognized
- Canadian Coast Guard recognized
- Performance Requirements of IEC 92-3
- Type approved ABS, DNV, NVE and Lloyds
- IEC 332-3 Category "A" Flame Test
- Insulation ICEA standard S-95-658
- IEC 60092-353
- Meets requirements of 46 CFR Parts 110 and 111

## Construction

### Conductor:

Annealed, Tinned copper per ASTM B33, B8 and B172

### Insulation:

Irradiated crosslinked polyolefin  
Exane<sup>®</sup>125°C\*  
(Colors – as required)

### Armor:

Bronze or aluminum, tinned copper

### Jacket:

Black arctic Neoprene

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

# Exane-125®

## Oil Rig/Commercial Marine

Single Conductor Power

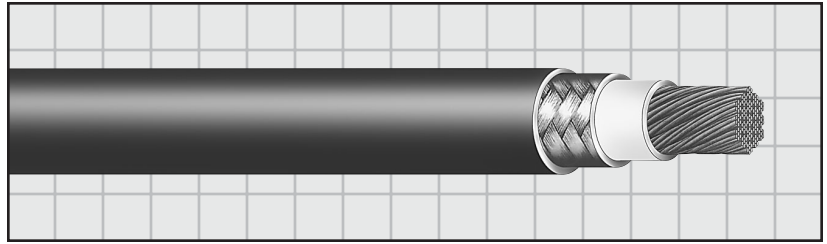
Armored and Sheathed

(XLPO/NEO) 600 & 2000 Volt

UL/CSA Marine Shipboard Cable

IEEE 45/IEEE 1580 Type P

Spec. DAA1048B



### 600 Volt

Product Number	Number of Conductors	AWG/ MCM	mm <sup>2</sup>	Stranding	Insulation Thickness		Nominal Overall Diameter		Approx. Net Weight	
					Inches	mm	Inches	mm	Lbs/m'	kg/km
OIC8-600VBN	1	8	7.58	37/24	.045	1.14	.410	10.41	156	234
OIC6-600VBN	1	6	12.50	61/24	.045	1.14	.459	11.66	208	312
OIC5-600VBN	1	5	18.60	91/24	.045	1.14	.513	13.03	263	395
OIC4-600VBN	1	4	21.50	105/24	.045	1.14	.533	13.59	290	435
OIC3-600VBN	1	3	25.00	125/24	.045	1.14	.550	13.47	337	506
OIC2-600VBN	1	2	10.41	150/24	.045	1.14	.593	15.06	380	570
OIC1-600VBN	1	1	12.57	225/24	.055	1.40	.678	17.22	525	788
OIC1/0-600VBN	1	1/0	56.30	275/24	.055	1.40	.728	18.49	610	915
OIC2/0-600VBN	1	2/0	66.50	325/24	.055	1.40	.773	19.63	675	1013
OIC3/0-600VBN	1	3/0	92.10	450/24	.055	1.40	.883	22.43	930	1395
OIC4/0-600VBN	1	4/0	112.60	550/24	.055	1.40	.943	23.95	1100	1650
OIC262-600VBN	1	262	133.00	650/24	.065	1.65	1.008	25.60	1250	1875
OIC313-600VBN	1	313	158.60	775/24	.065	1.65	1.073	27.25	1450	2175
OIC373-600VBN	1	373	189.30	925/24	.065	1.65	1.123	28.52	1690	2535
OIC444-600VBN	1	444	225.10	1100/24	.065	1.65	1.203	30.56	1955	2933
OIC535-600VBN	1	535	271.20	1325/24	.080	2.03	1.323	33.60	2345	3518
OIC646-600VBN	1	646	327.50	1600/24	.080	2.03	1.498	38.04	2830	4245
OIC777-600VBN	1	777	394.00	1925/24	.080	2.03	1.563	39.70	3325	4988
OIC1111-600VBN	1	1111	563.00	2750/24	.110	2.80	1.883	47.83	4670	7005

### 2000 Volt

Product Number	Number of Conductors	AWG/ MCM	mm <sup>2</sup>	Stranding	Insulation Thickness		Nominal Overall Diameter		Approx. Net Weight	
					Inches	mm	Inches	mm	Lbs/m'	kg/km
OIC8-2KVBN	1	8	7.58	37/24	.055	1.40	.430	10.92	162	243
OIC6-2KVBN	1	6	12.50	61/24	.055	1.40	.479	12.17	212	318
OIC5-2KVBN	1	5	18.60	91/24	.055	1.40	.533	13.54	270	405
OIC4-2KVBN	1	4	21.50	105/24	.055	1.40	.553	14.05	304	456
OIC3-2KVBN	1	3	25.00	125/24	.055	1.40	.570	14.49	335	503
OIC2-2KVBN	1	2	30.70	150/24	.055	1.40	.613	15.57	384	576
OIC1-2KVBN	1	1	46.00	225/24	.065	1.65	.698	17.73	521	782
OIC1/0-2KVBN	1	1/0	56.30	275/24	.065	1.65	.748	19.00	600	900
OIC2/0-2KVBN	1	2/0	66.50	325/24	.065	1.65	.793	20.14	688	1032
OIC3/0-2KVBN	1	3/0	92.10	450/24	.065	1.65	.903	22.94	915	1373
OIC4/0-2KV-HDBN	1	4/0	112.60	550/24	.105	2.67	1.043	26.49	1095	1643
OIC262-2KV-HDBN	1	262	133.10	650/24	.105	2.67	1.085	27.56	1260	1890
OIC313-2KV-HDBN	1	313	158.70	775/24	.105	2.67	1.153	29.29	1450	2175
OIC373-2KV-HDBN	1	373	189.00	925/24	.105	2.67	1.203	30.56	1690	2535
OIC444-2KV-HDBN	1	444	225.20	1100/24	.105	2.67	1.283	32.59	1959	2939
OIC535-2KV-HDBN	1	535	271.30	1325/24	.120	3.05	1.443	36.65	2400	3600
OIC646-2KV-HDBN	1	646	327.00	1600/24	.120	3.05	1.558	39.57	2850	4275
OIC777-2KV-HDBN	1	777	394.00	1925/24	.120	3.05	1.643	41.73	3297	4946
OIC1111-2KV-HDBN	1	1111	563.00	2750/24	.120	3.05	1.863	47.32	4446	6670