

**Exane-125<sup>®</sup>**  
**Oil Rig/Commercial Marine**  
 Signal Cable  
 Armored and Sheathed  
 (XLPO/NEO)  
 Multi-Conductor Shielded (Braid)  
 600 Volt  
 UL Marine Shipboard (E83358)  
 IEEE 45, /IEEE 1580 Type P  
 UL 1309/CSA C22.2 No.245  
**Spec. DAC1048C**

## Scope

Exane-125<sup>®</sup> multiconductor signal cables are ideally suited for use in signal applications including electronic governor actuators, interconnect cable for driller consoles, and SCR systems located in a high electrostatic noise environment. These constructions provide a cable with outstanding resistance to mech-

anical abuse, moisture, flame, sunlight, and petrochemical fluids through a wide ambient temperature range. These cables also provide 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

- Wide insulated conductor temperature range -55°C to 125°C
- Thermoset Insulation
- Superior mechanical properties
- Flexible construction
- Flame retardant
- Excellent fluid/oil resistance
- Moisture and sunlight resistant

## 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 S-95-658
- IEC 60092-353
- Meets requirements of 46 CFR Parts 110 and 111

## Construction

### Conductors:

Annealed, Tinned copper per ASTM B33, B8 and B172

### Insulation:

Irradiated crosslinked polyolefin Exane<sup>®</sup> 125°C\*

### Assembly:

Individual conductors cabled with a binder tape

### Shield:

Tin coated copper braid

### Color Code\*\*:

IEEE 45-1998 Table 8-31

### Inner Jacket:

Black arctic neoprene

### Armor:

Bronze or aluminum, tinned copper

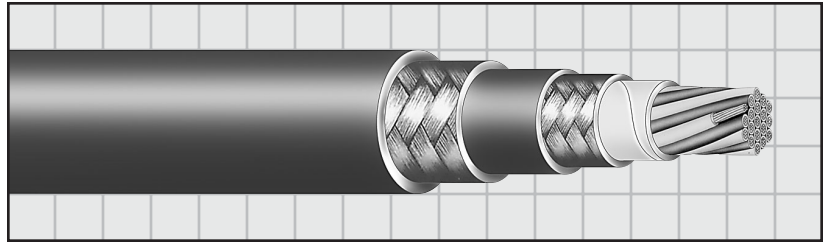
### Outer Jacket:

Black arctic Neoprene

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

\*\* Other color codes available upon request

**Exane-125®**  
**Oil Rig/Commercial Marine**  
Signal Cable  
Armored and Sheathed  
(XLPO/NEO) 600 Volt  
Multi-Conductor Shielded (Braid)  
UL/CSA Marine Shipboard Cable  
IEEE 45/IEEE 1580 Type P  
**Spec. DAC1048C**



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
O4C20OBSBN	4	20	0.61	19/32	.030	.76	.569	14.45	221	331
O3C18OBSBN	3	18	0.96	19/30	.030	.76	.568	14.43	218	327
O4C18OBSBN	4	18	0.96	19/30	.030	.76	.595	15.11	245	367
O7C18OBSBN	7	18	0.96	19/30	.030	.76	.683	17.34	331	496
O12C18OBSBN	12	18	0.96	19/30	.030	.76	.782	19.86	446	669
O20C18OBSBN	20	18	0.96	19/30	.030	.76	.954	24.23	630	945
O15C16OBSBN	15	16	1.22	19/29	.030	.76	.918	23.32	594	891
O2C14OBSBN	2	14	1.94	19/27	.030	.76	.587	14.90	232	348
O3C14OBSBN	3	14	1.94	19/27	.030	.76	.606	15.39	261	391
O4C14OBSBN	4	14	1.94	19/27	.030	.76	.650	16.51	300	450
O5C14OBSBN	5	14	1.94	19/27	.030	.76	.681	17.30	341	511
O6C14OBSBN	6	14	1.94	19/27	.030	.76	.719	18.26	372	558
O7C14OBSBN	7	14	1.94	19/27	.030	.76	.719	18.26	394	591
O14C14OBSBN	14	14	1.94	19/27	.030	.76	.946	24.03	662	993
O19C14OBSBN	19	14	1.94	19/27	.030	.76	1.021	25.93	793	1189
O30C14OBSBN	30	14	1.94	19/27	.030	.76	1.240	31.50	1156	1734
O44C14OBSBN	44	14	1.94	19/27	.030	.76	1.482	37.64	1591	2386
O60C14OBSBN	60	14	1.94	19/27	.030	.76	1.669	42.39	2070	3105
O91C14OBSBN	91	14	1.94	19/27	.030	.76	1.973	50.11	2921	4381