

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

Signal Cable  
Armored and Sheathed  
(XLPO/NEO)  
Unshielded Composite Pairs  
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

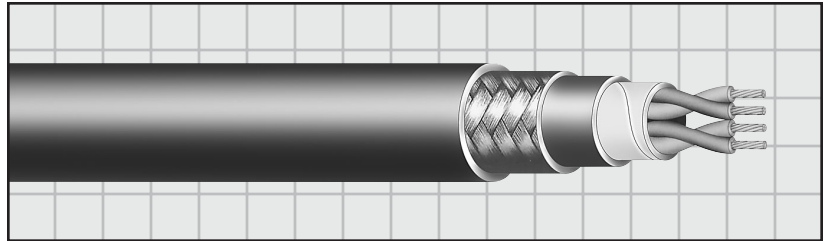
### Construction

- Conductors:**  
Annealed, Tinned copper per ASTM B33, B8 and B172
- Insulation:**  
Irradiated crosslinked polyolefin Exane<sup>®</sup> 125°C\*
- Pair Assembly:**  
Two insulated conductors twisted
- Cabling:**  
Required number of pairs cabled together with a binder tape
- Color Code\*\*:**  
IEEE 45-1998 Table 8-31
- Inner Jacket:**  
Black arctic neoprene
- Armor:**  
Bronze or aluminum, tinned copper
- Outer Sheath:**  
Black arctic Neoprene

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

\*\* Other color codes available upon request

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 UL/CSA Marine Shipboard Cable  
 IEEE 45/IEEE 1580 Type P  
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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
O1PSPEC/COMMBN	2	18	0.96	19/30	.030	.76	.521	13.23	176	264
				19/27	.030	.76				
O8CSPEC/COMMBN	8	18	0.96	19/30	.030	.76	.811	20.60	398	597
		14	1.94	19/27	.030	.76				
O14CSPEC/COMMBN	14	18	0.96	19/30	.030	.76	.971	24.70	535	803
		14	1.94	19/27	.030	.76				
O16CSPEC/COMMBN	16	18	0.96	19/30	.030	.76	1.055	26.80	591	887
		14	1.94	19/27	.030	.76				

\* Check factory for specific construction