

Exane-125[®] Oil Rig/Commercial Marine

Signal Cable

Armored and Sheathed
(XLPO/NEO)

Multi-Shielded Triads With
Overall Shield
600 Volt

UL Marine Shipboard (E83358)

IEEE 45, /IEEE 1580 Type P

UL 1309/CSA C22.2 No.245

Spec. DAC1048C

Scope

Exane-125[®] 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 mechanical

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

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

** Tinned copper braid optional

*** Other color codes available upon request

Construction

Conductors:

Annealed, Tinned copper per ASTM B33, B8 and B172

Insulation:

Irradiated crosslinked polyolefin Exane[®] 125°C*

Triad Assembly:

Three insulated conductors twisted with a tin-coated copper drain wire, a helically applied aluminum/polyester laminated tape shield, and an isolation tape**

Cabling:

Required number of triads cabled together

Overall Shield System**:

Helically applied aluminum/polyester laminated tape shield in continuous contact with a tin-coated copper drain wire

Color Code:

IEEE 45-1998 Table 8-31

Inner Jacket:

Black arctic neoprene

Armor:

Bronze or aluminum, tinned copper

Outer Sheath:

Arctic Neoprene

Exane-125®

Oil Rig/Commercial Marine

Signal Cable

Armored and Sheathed

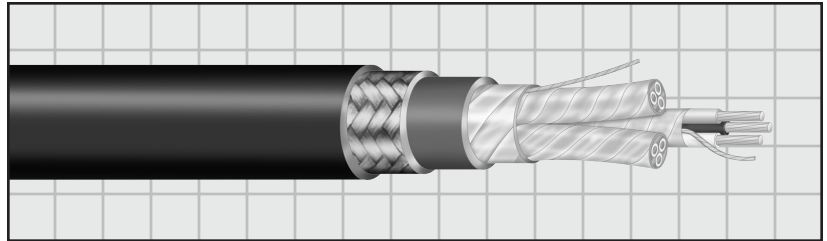
(XLPO/NEO) 600 Volt

Multi-Shielded Triads With Overall Shield

UL/CSA Marine Shipboard Cable

IEEE 45/IEEE 1580 Type P

Spec. DAC1048C



Product Number	Number of Triads	AWG/		Stranding	Insulation Thickness		Nominal Overall Diameter		Approx. Net Weight	
		MCM	mm ²		Inches	mm	Inches	mm	Lbs/m'	kg/km
O1T18I/S-OSBN	1	18	0.96	19/30	.030	.76	.542	13.76	201	301
O2T18I/S-OSBN	2	18	0.96	19/30	.030	.76	.780	19.81	355	532
O3T18I/S-OSBN	3	18	0.96	19/30	.030	.76	.858	21.79	439	658
O4T18I/S-OSBN	4	18	0.96	19/30	.030	.76	.932	23.67	520	780
O5T18I/S-OSBN	5	18	0.96	19/30	.030	.76	.988	25.09	586	879
O6T18I/S-OSBN	6	18	0.96	19/30	.030	.76	1.099	27.91	710	1065
O7T18I/S-OSBN	7	18	0.96	19/30	.030	.76	1.099	27.91	740	1110
O8T18I/S-OSBN	8	18	0.96	19/30	.030	.76	1.175	29.84	830	1245
O12T18I/S-OSBN	12	18	0.96	19/30	.030	.76	1.435	36.45	1175	1762
O16T18I/S-OSBN	16	18	0.96	19/30	.030	.76	1.560	39.62	1440	2160
O1T16I/S-OSBN	1	16	1.22	19/29	.030	.76	.554	14.07	213	319
O2T16I/S-OSBN	2	16	1.22	19/29	.030	.76	.816	20.73	385	577
O3T16I/S-OSBN	3	16	1.22	19/29	.030	.76	.891	22.63	483	724
O4T16I/S-OSBN	4	16	1.22	19/29	.030	.76	.956	24.28	565	847
O5T16I/S-OSBN	5	16	1.22	19/29	.030	.76	1.029	26.13	649	973
O6T16I/S-OSBN	6	16	1.22	19/29	.030	.76	1.149	29.18	756	1134
O8T16I/S-OSBN	8	16	1.22	19/29	.030	.76	1.230	31.24	983	1474
O12T16I/S-OSBN	12	16	1.22	19/29	.030	.76	1.472	37.39	1284	1926
O16T16I/S-OSBN	16	16	1.22	19/29	.030	.76	1.631	41.43	1652	2478