

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

Multiconductor Control Cable  
Unarmored

(XLPO/NEO)  
600 Volt (18-16 AWG)  
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 unarmored and sheathed drill rig control cable is ideally suited for use in rugged rig applications. 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 exceed current industry standards regarding temperature rating and ampacity which provides important benefits regarding size, weight, tray fill and ease of installation.

## Features

- Wide insulated conductor temperature range -55°C to 125°C
- 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\*

### Color Code\*\*:

IEEE 45-1998 Table 8-31

### Fillers:

When required, flame retardant and non-hygroscopic

### Binder Tape:

Non-hygroscopic and non-wicking

### Jacket:

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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## Oil Rig/Commercial Marine

Multiconductor Control Cable

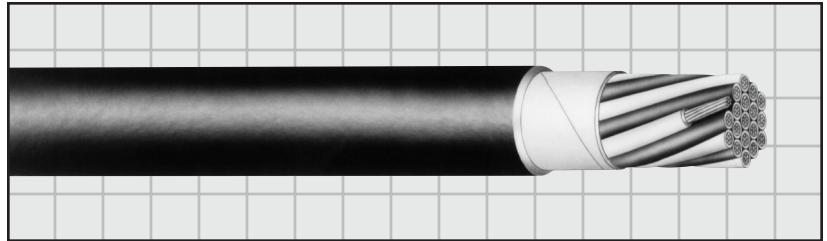
Unarmored

(XLPO/NEO) 600 Volt (18-16 AWG)

UL/CSA Marine Shipboard Cable

IEEE 45/IEEE 1580 Type P

Spec. DAC1048C



| Product Number | Number of Conductors | AWG/ |                 | Stranding | Insulation Thickness |     | Nominal Overall Diameter |       | Approx. Net Weight |       |
|----------------|----------------------|------|-----------------|-----------|----------------------|-----|--------------------------|-------|--------------------|-------|
|                |                      | MCM  | mm <sup>2</sup> |           | Inches               | mm  | Inches                   | mm    | Lbs/m'             | kg/km |
| O2C18          | 2                    | 18   | 0.96            | 19/30     | .030                 | .76 | .340                     | 8.64  | 54                 | 81    |
| O2C16          | 2                    | 16   | 1.23            | 19/29     | .030                 | .76 | .355                     | 9.02  | 80                 | 97    |
| O3C18          | 3                    | 18   | 0.96            | 19/30     | .030                 | .76 | .360                     | 9.14  | 71                 | 107   |
| O3C16          | 3                    | 16   | 1.23            | 19/29     | .030                 | .76 | .370                     | 9.40  | 80                 | 120   |
| O4C18          | 4                    | 18   | 0.96            | 19/30     | .030                 | .76 | .390                     | 9.91  | 85                 | 128   |
| O4C16          | 4                    | 16   | 1.23            | 19/29     | .030                 | .76 | .400                     | 10.16 | 92                 | 138   |
| O5C18          | 5                    | 18   | 0.96            | 19/30     | .030                 | .76 | .425                     | 10.80 | 102                | 153   |
| O5C16          | 5                    | 16   | 1.23            | 19/29     | .030                 | .76 | .440                     | 11.18 | 118                | 177   |
| O6C18          | 6                    | 18   | 0.96            | 19/30     | .030                 | .76 | .450                     | 11.43 | 122                | 183   |
| O6C16          | 6                    | 16   | 1.23            | 19/29     | .030                 | .76 | .475                     | 12.07 | 135                | 203   |
| O7C18          | 7                    | 18   | 0.96            | 19/30     | .030                 | .76 | .450                     | 11.43 | 129                | 193   |
| O7C16          | 7                    | 16   | 1.23            | 19/29     | .030                 | .76 | .475                     | 12.07 | 146                | 219   |
| O8C18          | 8                    | 18   | 0.96            | 19/30     | .030                 | .76 | .490                     | 12.45 | 140                | 210   |
| O8C16          | 8                    | 16   | 1.23            | 19/29     | .030                 | .76 | .510                     | 12.95 | 174                | 261   |
| O10C18         | 10                   | 18   | 0.96            | 19/30     | .030                 | .76 | .560                     | 14.22 | 173                | 259   |
| O10C16         | 10                   | 16   | 1.23            | 19/29     | .030                 | .76 | .585                     | 14.86 | 200                | 300   |
| O12C18         | 12                   | 18   | 0.96            | 19/30     | .030                 | .76 | .575                     | 14.61 | 196                | 294   |
| O12C16         | 12                   | 16   | 1.23            | 19/29     | .030                 | .76 | .605                     | 15.37 | 225                | 338   |
| O16C18         | 16                   | 18   | 0.96            | 19/30     | .030                 | .76 | .640                     | 16.26 | 250                | 375   |
| O16C16         | 16                   | 16   | 1.23            | 19/29     | .030                 | .76 | .670                     | 17.02 | 300                | 450   |
| O18C16         | 18                   | 16   | 1.23            | 19/29     | .030                 | .76 | .705                     | 17.91 | 333                | 500   |
| O20C18         | 20                   | 18   | 0.96            | 19/30     | .030                 | .76 | .705                     | 17.91 | 305                | 458   |
| O20C16         | 20                   | 16   | 1.23            | 19/29     | .030                 | .76 | .735                     | 18.67 | 364                | 546   |
| O22C16         | 22                   | 16   | 1.23            | 19/29     | .030                 | .76 | .770                     | 19.56 | 393                | 590   |
| O24C18         | 24                   | 18   | 0.96            | 19/30     | .030                 | .76 | .770                     | 19.56 | 350                | 525   |
| O24C16         | 24                   | 16   | 1.23            | 19/29     | .030                 | .76 | .820                     | 20.83 | 430                | 645   |
| O30C18         | 30                   | 18   | 0.96            | 19/30     | .030                 | .76 | .815                     | 20.70 | 450                | 675   |
| O30C16         | 30                   | 16   | 1.23            | 19/29     | .030                 | .76 | .905                     | 22.99 | 528                | 792   |
| O37C18         | 37                   | 18   | 0.96            | 19/30     | .030                 | .76 | .920                     | 23.37 | 550                | 825   |
| O37C16         | 37                   | 16   | 1.23            | 19/29     | .030                 | .76 | .970                     | 24.64 | 637                | 956   |
| O44C18         | 44                   | 18   | 0.96            | 19/30     | .030                 | .76 | 1.030                    | 26.16 | 645                | 968   |
| O44C16         | 44                   | 16   | 1.23            | 19/29     | .030                 | .76 | 1.085                    | 27.56 | 776                | 1164  |
| O45C18         | 45                   | 18   | 0.96            | 19/30     | .030                 | .76 | 1.030                    | 26.16 | 655                | 983   |
| O60C18         | 60                   | 18   | 0.96            | 19/30     | .030                 | .76 | 1.135                    | 28.83 | 840                | 1260  |
| O60C16         | 60                   | 16   | 1.23            | 19/29     | .030                 | .76 | 1.200                    | 30.48 | 958                | 1437  |
| O91C18         | 91                   | 18   | 0.96            | 19/30     | .030                 | .76 | 1.350                    | 34.29 | 1230               | 1845  |
| O91C16         | 91                   | 16   | 1.23            | 19/29     | .030                 | .76 | 1.460                    | 37.08 | 1538               | 2307  |