



# Power/Distribution Cable Single Conductor Type P, 600/1000 volts

DRILMAR™ 125-XE

Crosslinked Polyolefin Insulated/CP Jacket  
Drilling Rig and Marine Cable

## Features

- ▶ Engineered for easiest installation. Extra flexible stranding meets IEEE, UL, and CSA requirements.
- ▶ Maximum conductor operating temperature: 100°C as Type P per IEEE, and 110°C as Type X110 per UL and CSA. Meets ampacity ratings per ABS, DNV, LRS, and TCMS.
- ▶ DRILMAR XLPO Insulation
  - Superior oil and chemical resistance
  - Sunlight resistant
  - Rated at 125°C
  - Passes Cold Bend at -55°C
- ▶ Heavy Duty CP Jacket
  - Arctic Type XE design
  - Abrasion and sunlight resistant
  - Rated at 90°C
- ▶ Completed cable offers superior flame resistance meeting:
  - 70,000 BTU Flame Tests IEEE 1202/FT4, IEEE 383, UL 1685, ICEA T-30-820, and IEC 332 Category A.
  - 210,000 BTU Flame Test ICEA T-29-520.
- ▶ Arctic Type design meets Cold Bend and Impact Tests at -40°C, exceeding the Transport Canada Marine Safety requirements.
- ▶ Cables meet applicable requirements of IEC 92-350.

## Application

DRILMAR 125-XE cables are specifically designed for the installation and use in marine environments, for use on offshore drilling rigs, aboard marine vessels, and on fixed and floating offshore facilities where harsh marine environments exist. These cables are used for the distribution of power in circuits rated for 600/1000 V.

Typical applications include: D/C motor cables, generators, transformers, top drives, and other applications that may require a highly flexible rugged power cable.

## Standards

**IEEE 1580-2001:** Recommended Practice for Marine Cable for Use on Shipboard and Fixed and Floating Platforms

**IEEE 45-2002:** Recommended Practice for Electrical Installations on Shipboard Cable

**UL 1309-1995:** Marine Shipboard Cable

**CSA C22.2 No. 245:** Marine Shipboard Cable

## Approvals

- ▶ UL and CSA, as Type P
- ▶ UL and CSA, as Type X110
- ▶ ABS, American Bureau of Shipping
- ▶ DNV, Det Norske Veritas
- ▶ LRS, Lloyd's Register of Shipping
- ▶ United States Coast Guard
- ▶ TCMS, Transport Canada Marine Safety

## Engineering Information

### Unarmored Design

**Conductor:** Soft annealed flexible Tin Coated Copper per IEEE, UL, and CSA. Sizes: 18 AWG up to 1111 kcmil.

**Separator Tape:** Polyester tape as required.

**Insulation:** Flame retardant and sunlight resistant Crosslinked Polyolefin (XLPO) per IEEE. Also meets and exceeds the requirements of UL and CSA for Type X110. DRILMAR 125-XE is a 125°C XLPO.

**CP Jacket:** Flame retardant and sunlight resistant Arctic Type Chlorosulfonated Polyethylene (CP) per IEEE, UL, and CSA.

### Armored Design

*Unarmored Design (see above description) Plus:*

**Armor:** Standard - Bronze. Optional - Aluminum or Tinned Copper Braid per IEEE, UL, and CSA.

### Armored and Sheathed Design

*Armored Design (see above description) Plus:*

**CP Jacket (Overall):** Flame retardant and sunlight resistant Arctic Type Chlorosulfonated Polyethylene (CP) per IEEE, UL, and CSA.