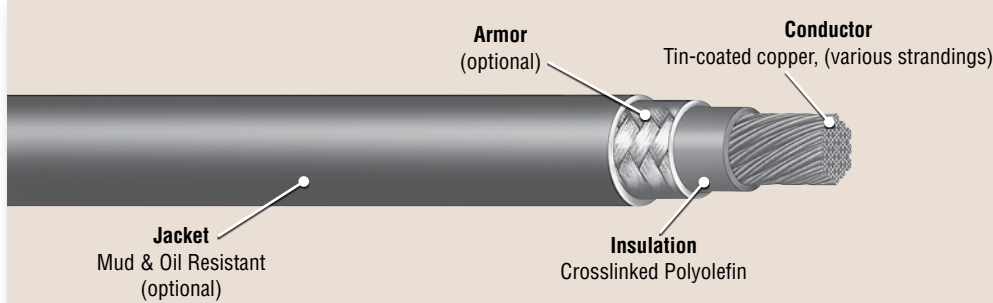


## Single Conductor Armored & Unarmored (Offshore & Land Rigs)



IEEE 1580  
Drilling Fluid Resistant  
1KV; 2KV; 2KV(HD); 125°C  
ITS/UL/CSA Marine Shipboard  
Rated at 110°C

### Features

- Thermoset insulation
- Heat, sunlight, & moisture resistant
- Extremely flame retardant
- Easy to install
- Easy to strip – has no separator tape
- Extremely flexible
- Flexible Tin-coated conductors for improved terminations and corrosion resistance
- Pigmented insulation with vivid colors
- Passes the UL 2225 Crush & Impact Test requirements for Type MC-HL
- Passes minus 55°C cold bend
- Passes minus 40°C cold impact

### Performance Standards

- IEEE 45/1580 Type P
- UL 1309 X110 Marine Shipboard Cable
- CSA C22.2 No. 245 X110 Marine Shipboard
- Intertek Testing Service (ETL) certified as Type P
- Passes IEEE 1202 & FT-4, 70,000 Btu/hr Vertical Tray Flame Tests
- Passes the IEC 60332-3-22 Category A/F Flame Test
- Type Approved by ABS, DNV GL and Lloyd's Register NA
- Armored & Sheathed cables are suitable for use in Class 1, Division 1 and Zone 1 hazardous locations
- Unarmored cables are suitable for use in Class 1, Division 2 and Zone 2 hazardous locations
- Excellent drilling fluid and mud resistance to IEC 61892-4-Annex D
- Includes oils called out in NEK 606

### Construction

**Conductor:** Flexible, soft annealed tinned copper per ASTM B33 & IEEE 1580

**Insulation:** Irradiation cross-linked Polyolefin, Exane®

**Circuit Identification:** Vivid pigmented insulation. Colors available on request per IEEE 1580. Standard color is Dk. Gray

**Inner Jacket:** Black, Irradiation cross-linked chlorosulfonated Polyethylene (CSPE). Sunlight resistant

**Armor (optional):** Bronze Braid – Standard. Tinned Copper Braid – Optional

**Outer Jacket (optional):** Black, Irradiation cross-linked chlorosulfonated Polyethylene (CSPE). Sunlight resistant

**Temperature Rating:** RSCC Wire & Cable rated 125°C, UL/CSA 110°C, IEEE 100°C

### Scope

Exane® MR single conductor power cables, armored and unarmored, rated 1KV, 2KV and 2KVHD are an extremely tough construction ideally suited for use in rugged marine/oil rig applications exposed to drilling fluids and muds. The Exane insulation is radiation cross-linked and provides outstanding physical properties, resistance to abrasion, cut-through, low and high temperatures, drilling fluids and muds, sunlight, flame, and moisture. Exane® MR is extremely tough and durable and withstands the arduous environmental conditions experienced in offshore mobile drilling units (MODU), FPSO's, TLP's and land rigs for oil and gas drilling rigs. Exane® MR's 125°C temperature rating for short durations lends itself to handle higher ampacity levels and higher safety margins in the field. It's extremely flexible design and tightly controlled dimensions lead to benefits regarding lower weight, tray fill, ease of installation and long service life in drag chains.