



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, Div 2 & Zone 2
- Passes mud & oil resistance per IEC 61892-4-Annex D and the Carbo Sea Oil per NEK 606

Construction

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

Insulation: Irradiation cross-linked Polyolefin, Exane® 125°C

Circuit Identification: Standard – Vivid pigmented insulation colors per IEEE 1580. Optional – Dk. Gray + No's

Fillers: When required, flame retardant and non-hygroscopic

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

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

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

Binder Tape: Non-hygroscopic and non-wicking

Foil Shields: Aluminum/Polyester foil tape + tinned copper drain wire

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

Scope

Exane® MR multi-shielded pairs with overall foil shield, armored & unarmored, rated 1KV 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.