



Dredging Cables



Nexans AmerCable specializes in cables designed for harsh environment applications such as lake and sea dredging operations.

Shipboard Cables

- Power
- Control
- Instrumentation
- Extremely flexible
- Available in Low Smoke Halogen Free fire resistant and fire retardant constructions

SHD-GC Power Cables

- 8-15kV
- Robust double-thick CPE jacket
- Standard black - colors available

Variable Frequency Drive (VFD) Cables

- Marine Medium Voltage (MMV) 8kV rated 105°C
- Standard 2kV rated 90°C

Order with installed couplers. Cable Assemblies from Nexans AmerCable save you time and money.



www.nexansamericable.com

Type SHD-GC 3/C 8kv-15kV

Conductors

Flexible tinned copper

Ground Check Conductor³

Flexible tinned copper with yellow polypropylene insulation

Strand Shield

Semi-conducting layer

Ground Wires

Flexible tinned copper

Insulation

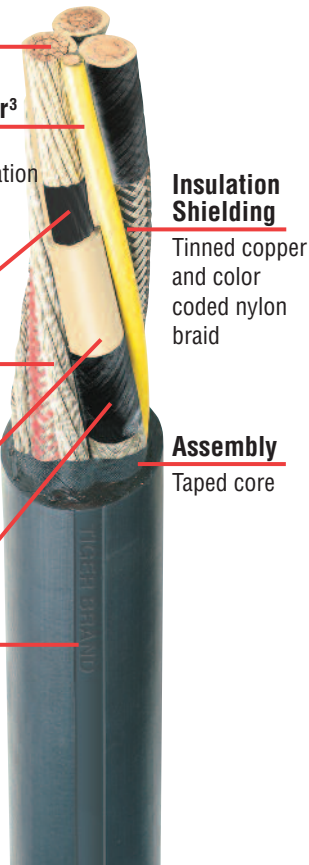
90°C ethylene-propylene rubber (EPR)

Insulation Shielding

Semi-conducting tape

Jacket²

Reinforced mold-cured thermosetting Chlorinated Polyethylene (CPE) Jacket. Cable identification via permanent marking.



Insulation Shielding

Tinned copper and color coded nylon braid

Assembly

Taped core

Type MMV-VFD 8kv-15kV

Conductors (3)

Soft annealed flexible stranded tinned copper per IEEE 1580 Table 11.

Insulation

Extruded thermosetting 90°C Ethylene Propylene Rubber (EPR), meeting UL 1309 (Type E), IEEE 1580 (Type E) and UL 1072.

Insulation Shield

Composite shield consisting of 0.0126" tinned copper braided with nylon providing 60% copper Shielded coverage meeting UL 1309, IEEE Std. 1580, and UL 1072. The nylon is colored for easy phase identification (three conductor = black, blue, red) without the need to remove the shield to find an underlying colored tape.

Conductor Shield

A combination of semi-conducting tape and extruded thermosetting semi-conducting material meeting UL 1309, IEEE 1580 and UL1072.

Insulation Shield

Semi-conducting layer meeting UL 1309, IEEE 1580 and UL 1072.

Symmetrical Insulated Grounding Conductors (3)

Soft annealed flexible stranded tinned copper conductor per IEEE 1580 Table 11. Gexol Insulation sized per Table 23.2 of UL1072. Color: Green

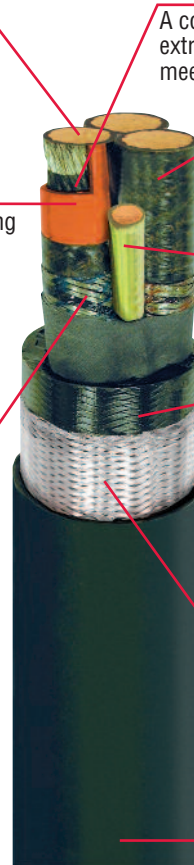
Jacket

A black, arctic grade, flame retardant, oil, abrasion, chemical and sunlight resistant thermosetting compound meeting UL 1309/CSA 245, IEEE 1580, and UL 1072. This jacket allows for isolation between the insulation shields and overall shield. Shields can then be terminated on opposite ends to minimize circulating currents.

Armor/EMI Shield

Overall tinned copper braid plus aluminum/polyester tape provides 100% coverage. This braid serves as both an armor and EMI shield meeting both IEEE 1580 and UL 1307/CSA 245.

Sheath (optional)



Shipboard Cable *Power, VFD, Control & Instrumentation*

Ratings & Approvals

- 110°C Temperature Rating
- American Bureau of Shipping (ABS) 99-BT5905-X
- Transport Canada 8700-20-2
- Det Norske Veritas (DNV) E-6669, E-6388, E-6390, E-6391
- Lloyd's Register of Shipping (LRS) 91/60333 (E6)

- NVE 95/1696, FAL
- UL Listed as Marine Shipboard Cable (E111461)
- United States Coast Guard November 2, 1987 / 9304
- CSA listed as Marine Shipboard Cable (82346)

