Type P Drilmar® 125-XE Power/Distribution Cable

Crosslinked Polyolefin Insulated, Drilling Rig and Marine Cable, 2000 V-HD

CME wire and cable®
A Viakable Company

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 ºC.
- Passes Cold Bend at -55 ºC.

Heavy Duty CP Jacket:

- Arctic Type XE design.
- Abrasion and sunlight resistant.
- Rated at 90 ºC.

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 ºC, 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 2000 volts.

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

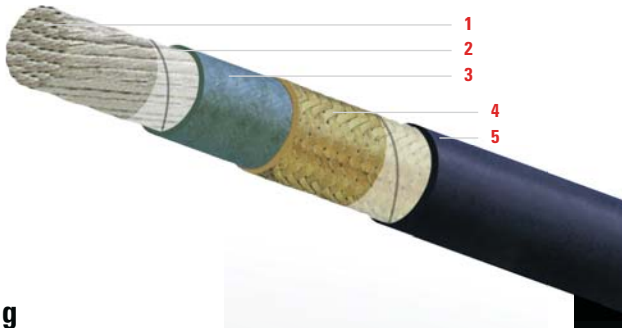
Marine Shipboard Cable.

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 Safey.



Engineering Information

1. Conductor: Soft annealed flexible Tin Coated Copper per IEEE, UL, and CSA.

Sizes: 4/0 AWG up to 1111 kcmil.

2. Separator Tape: Polyester tape as required.

3. Integral HD Insulation/ Jacket: 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.

4. Armor (optional): Standard - Bronze.

Optional - Aluminum or Tinned Copper Braid per IEEE, UL and CSA.

5. Overall Sheath (optional): Flame retardant and sunlight resistant Arctic Type Chlorinated Polyethylene (CPE) per IEEE, UL, and CSA. **Note:** Overall Jacket is optional for Bronze armor only, Tinned Copper armor and Aluminum armor require the use of outer jacket.

Drilmar® Marine Cable

CME wire and cable
A Viakable Company

Technical Data

Type P Power/Distribution Cable, 2000 V-HD

Conductor		Unarmored					Armored				
		Nominal OD			Net Weight		Nominal OD		Bronze		
Size AWG / kcmil	Strands	in	mm	Part Number	lb/kft	kg/km	in	mm	Part Number	Net Weight lb/kft	Net Weight kg/km
4/0	551	0.87	22.1	DSHP211-1	885	1317	0.8	22.6	DSHPB211-1	1026	1527
262.6	646	0.92	23.5	DSHP262-1	1021	1519	0.94	23.9	DSHPB262-1	1170	1741
313.1	779	0.99	25.2	DSHP313-1	1209	1799	1.00	25.5	DSHPB313-1	1368	2036
373.7	925	1.06	26.9	DSHP373-1	1414	2104	1.07	27.2	DSHPB373-1	1584	2358
444.4	1110	1.14	29.0	DSHP444-1	1672	2489	1.15	29.1	DSHPB444-1	1855	2761
535.3	1332	1.26	32.0	DSHP535-1	2020	3006	1.26	32.0	DSHPB535-1	2221	3306
646.4	1591	1.35	34.3	DSHP646-1	2380	3542	1.35	34.3	DSHPB646-1	2596	3863
777.7	1924	1.46	37.1	DSHP777-1	2841	4228	1.45	36.9	DSHPB777-1	3074	4575
1111.1	2745	1.69	43.0	DSHP1111-1	3968	5905	1.68	42.6	DSHPB1111-1	4238	6306

The above data are approximate and subject to normal manufacturing tolerances. Where required, the compatibility with glands, connectors and accessories should be verified using actual dimensions of the product.
Ampacities: Refer to beginning of section.

Conductor		Armored and Sheathed							
				Aluminum			Bronze		
		Nominal OD			Net Weight			Net Weight	
Size AWG / kcmil	Strands	in	mm	Part Number	lb/kft	kg/km	Part Number	lb/kft	kg/km
4/0	551	1.10	28.0	DSHPAS211-1	1106	1646	DSHPBS211-1	1203	1791
262.6	646	1.16	29.4	DSHPAS262-1	1254	1865	DSHPBS262-1	1356	2018
313.1	779	1.22	31.1	DSHPAS313-1	1457	2168	DSHPBS313-1	1567	2332
373.7	925	1.29	32.8	DSHPAS373-1	1677	2496	DSHPBS373-1	1795	2671
444.4	1110	1.37	34.8	DSHPAS444-1	1953	2907	DSHPBS444-1	2079	3095
535.3	1332	1.49	37.9	DSHPAS535-1	2328	3464	DSHPBS535-1	2467	3671
646.4	1591	1.58	40.2	DSHPAS646-1	2708	4031	DSHPBS646-1	2857	4252
777.7	1924	1.69	43.0	DSHPAS777-1	3193	4752	DSHPBS777-1	3354	4991
1111.1	2745	1.99	50.0	DSHPAS1111-1	4496	6690	DSHPBS1111-1	4681	6967

The above data are approximate and subject to normal manufacturing tolerances. Where required, the compatibility with glands, connectors and accessories should be verified using actual dimensions of the product.
Ampacities: Refer to beginning of section.