Draka

BOSTRIG™ TYPE P POWER CABLE 600V OR 0.6/1kV

Five conductor / **armored and sheathed**
TYPE P POWER CABLE **600V or 0.6/1kV, 8 AWG to 4/0 AWG**

Applications

Bostrig™ Type P Marine and Offshore Cable is primarily designed for power, control, signal, and instrumentation applications for offshore and land drilling rigs, marine vessels, and offshore production facilities.

Bostrig™ cables have excellent resistance to oil, abrasion, moisture, vibration, sunlight, and ester based mud (Type P- MR). They are suitable for use in Class 1, Division 1 offshore applications (armored & sheathed).

The standard insulation has a continuous operating temperature of 125°C, allowing for higher ampacity levels. These cables also meet cold bend requirements of -40°C and cold impact of -35°C (CSA 22.2 NO. 0.3).

This product may be manufactured in an unarmored or armored and sheathed version.

Features/Ratings

- Superior resistance to oil, abrasion, moisture, sunlight, crush and impact
- High strand count conductors provide superior flexibility
- Higher allowable conductor operating temperature results in increased ampacity
- Cold bend/ cold impact of -40°/ -35°C in accordance with CSA 22.2 No. 0.3
- Flame retardant in accordance with IEEE 1202 and IEC 60332-3-22 Category A
- Meets IEEE standards for 600V and performance requirements of IEC standards for 0.6/1 kV
- Armored and sheathed cables suitable for use in Class 1 Division 1 and Zone 1 hazardous locations offshore

Approvals

IEEE 1580 and IEEE 45- Marine Shipboard Cable

UL 1309- Marine Shipboard Cable Type X110

CSA 22.2 No. 245- Marine Shipboard Cable Type X110

Det Norske Veritas (DNV)

American Bureau of Shipping (ABS)

Transport Canada Approved AMS400-20-2

Transport Canada 8700-20-2

Lloyd's Register of Shipping (LRS)

United States Coast Guard-46CFR

Construction

CONDUCTORS: Soft annealed stranded tinned copper per ASTM B 33. A polyester tape separator is used over the conductor.

INSULATION: Bostrig Type P chemically cross-linked polyolefin (XLPO), meeting IEEE 1580.

JACKET: Flame-Retardant Thermosetting CPE (Chlorinated Polyethylene) in accordance with the requirements of IEEE-1580-2010. Thickness as shown in tables on opposite page. Arctic Neoprene (Type N) also available as an option.

ARMOR: Braided bronze in accordance with IEEE 1580.

SHEATH: Flame-Retardant Thermosetting CPE (Chlorinated Polyethylene) applied over the armor in accordance with the requirements of IEEE-1580-2010. Thickness as shown in tables on opposite page. Arctic Neoprene (Type N) also available as an option.

Prysmian Group
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Type Designation	Draka Number	Conductor Size		Sheath Thickness		Cable Diameter (nominal)		Impedance (Phase-Neutral)		Inductance		Capacitance		Calulated Ampacity † (measured @ °C)				Cable Weight (approximate)	
		AWG/MCM	mm²	in	mm	in	mm	Ω/kft	Ω/km	mH/kft	mH/km	pF/ft	pF/m	95	100	110	125*	Lbs/Mft	Kg/Km
QPNBS-8	T26162	8	7.57	0.080	2.0	0.980	24.9	0.70	2.3	0.13	0.4	95	312	38	42	45	50	750	1,115
QPNBS-6	T26163	6	12.5	0.080	2.0	1.200	30.5	0.46	1.5	0.12	0.4	126	413	50	56	60	73	1,100	1,635
QPNBS-5	T26164	5	18.6	0.080	2.0	1.310	33.3	0.33	1.1	0.11	0.4	140	459	62	66	70	96	1,350	2,010
QPNBS-4	T26165	4	21.5	0.080	2.0	1.350	34.3	0.29	1.0	0.11	0.4	153	502	69	74	79	101	1,515	2,255
QPNBS-3	T26166	3	25.6	0.080	2.0	1.420	36.1	0.23	0.8	0.11	0.4	173	567	79	86	93	118	1,775	2,640
QPNBS-2	T26167	2	30.7	0.080	2.0	1.500	38.1	0.18	0.6	0.10	0.3	187	613	89	98	105	129	2,055	3,060
QPNBS-1	T26168	1	46.1	0.110	2.8	1.790	45.5	0.14	0.5	0.10	0.3	178	584	110	114	122	162	2,770	4,120
QPNBS-1/0	T26169	1/0	56.3	0.110	2.8	1.930	49.0	0.12	0.4	0.10	0.3	190	623	125	131	141	183	3,260	4,850
QPNBS-2/0	T26170	2/0	66.5	0.110	2.8	2.070	52.6	0.09	0.3	0.10	0.3	212	695	140	150	161	203	3,920	5,835
QPNBS-3/0	T26171	3/0	92.1	0.110	2.8	2.360	59.9	0.08	0.3	0.10	0.3	245	804	170	174	187	250	5,150	7,665
QPNBS-4/0	T26172	4/0	112.6	0.110	2.8	2.480	63.0	0.07	0.2	0.09	0.3	259	850	193	202	216	283	5,970	8,885

This information is provided for reference only. Please consult the factory or your representative to confirm all engineering information.
This information is not intended to replace the information in the appropriate and applicable standard or code.
†Ampacity based on 45°C ambient temperature:95°C values based on ABS MODU Rules Table 6 - 100°C values based on IEEE-45 - 110°C values based on API 14F.
*125°C ampacities based on 45°C ambient in free air. Consult factory for conditions of use.

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				GLAND SELECTION			GLAND REFERENCE CHART	
Type Designation	Draka Number	Cable Diameter (nominal)		Explosion Proof: Armored	Non-Explosion Proof: Armored	Non-Explosion Proof: Armored	Explosion Proof: (Armored) Hub Size Reference	Non-Explosion Proof: (Armored) - NPT Thread Size Reference
		in	mm		(metric)	(NPT)		
QPNBS-8	T26162	0.980	24.9	424AN-04/ 15	474SW-55	474NP-10/ 14	01 = 1/2"	03 = 1/2" - 14 NPT
QPNBS-6	T26163	1.200	30.5	424AN-04/ 15	474SW-56	474NP-15/ 20	02 = 3/4"	04 = 1/2" - 14 NPT
QPNBS-5	T26164	1.310	33.3	424AN-05	474SW-57	474NP-21/ 27	03 = 1"	07 = 3/4" - 14 NPT
QPNBS-4	T26165	1.350	34.3	424AN-05	474SW-57	474NP-21/ 27	04 = 1-1/4"	05 = 1/2" - 14 NPT
QPNBS-3	T26166	1.420	36.1	424AN-06	474SW-57	474NP-21/ 27	05 = 1-1/2"	08 = 3/4" - 14 NPT
QPNBS-2	T26167	1.500	38.1	424AN-06	474SW-58	474NP-28/ 31	06 = 2"	10 = 3/4" - 14 NPT
QPNBS-1	T26168	1.790	45.5	424AN-06	474SW-59	474NP-32	07 = 2-1/2"	14 = 1" - 11-1/2 NPT
QPNBS-1/0	T26169	1.930	49.0	424AN-07	474SW-59	474NP-32	08 = 3"	15 = 1" - 11-1/2 NPT
QPNBS-2/0	T26170	2.070	52.6	424AN-07	474SW-60	474NP-33	09 = 3-1/2"	20 = 1-1/4" - 11-1/2 NPT
QPNBS-3/0	T26171	2.360	59.9	424AN-08	474SW-61	474NP-38	10 = 1/2"	21 = 1-1/4" - 11-1/2 NPT
QPNBS-4/0	T26172	2.480	63.0	424AN-08	474SW-61	474NP-38	12 = 3/4"	27 = 1-1/2" - 11-1/2 NPT
							15 = 1"	28 = 1-1/2" - 11-1/2 NPT
								31 = 2" - 11-1/2 NPT
								32 = 2" - 11-1/2 NPT
								33 = 2" - 11-1/2 NPT
								38 = 2 1/2" - 8 NPT
								39 = 2 1/2" - 8 NPT
								45 = 3" - 8 NPT
								47 = 3" - 8 NPT

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