



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

Two conductor / **armored and sheathed**

TYPE P POWER CABLE **600V or 0.6/1kV, 8 AWG to 777 MCM**



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 and 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.



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Type Designation	Draka Number	Conductor Size		Sheath Thickness		Cable Diameter (nominal)		Impedance (Phase-Neutral)		Inductance		Capacitance		Calculated 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
DPNBS-8	T26108	8	7.57	0.060	1.5	0.780	19.8	0.70	2.3	0.12	0.4	95	312	58	64	69	77	420	625
DPNBS-6	T26109	6	12.5	0.080	2.0	0.920	23.4	0.46	1.5	0.11	0.4	126	413	83	85	91	111	600	895
DPNBS-5	T26110	5	18.6	0.080	2.0	1.040	26.4	0.33	1.1	0.11	0.4	140	459	95	101	108	147	720	1,070
DPNBS-4	T26111	4	21.5	0.080	2.0	1.100	27.9	0.29	1.0	0.10	0.3	153	502	104	110	118	153	845	1,255
DPNBS-3	T26112	3	25.6	0.080	2.0	1.140	29.0	0.23	0.8	0.10	0.3	173	567	121	132	141	180	940	1,400
DPNBS-2	T26113	2	30.7	0.080	2.0	1.230	31.2	0.18	0.6	0.10	0.3	187	613	138	149	160	196	1,120	1,665
DPNBS-1	T26114	1	46.0	0.080	2.0	1.370	34.8	0.14	0.5	0.09	0.3	178	584	168	174	186	245	1,380	2,055
DPNBS-1/0	T26115	1/0	56.3	0.080	2.0	1.440	36.6	0.12	0.4	0.09	0.3	190	623	190	199	213	278	1,605	2,390
DPNBS-2/0	T26116	2/0	66.5	0.080	2.0	1.600	40.6	0.09	0.3	0.09	0.3	212	695	213	242	259	309	1,845	2,745
DPNBS-3/0	T26117	3/0	92.1	0.110	2.8	1.790	45.5	0.08	0.3	0.09	0.3	245	804	259	265	284	382	2,435	3,625
DPNBS-4/0	T26118	4/0	112.6	0.110	2.8	1.980	50.3	0.07	0.2	0.09	0.3	259	850	293	307	329	432	2,980	4,435
DPNBS-262	T26119	262	133.0	0.110	2.8	2.150	54.6	0.06	0.2	0.09	0.3	247	810	325	358	383	481	3,560	5,300
DPNBS-313	T26120	313	158.6	0.110	2.8	2.250	57.2	0.05	0.2	0.09	0.3	270	886	362	391	419	539	4,005	5,960
DPNBS-373	T26121	373	189.3	0.110	2.8	2.390	60.7	0.04	0.1	0.09	0.3	292	958	405	442	473	599	4,395	6,540
DPNBS-444	T26122	444	225.1	0.110	2.8	2.530	64.3	0.04	0.1	0.09	0.3	318	1,043	45	504	540	669	5,240	7,800
DPNBS-535	T26123	535	271.2	0.140	3.6	2.840	72.1	0.04	0.1	0.09	0.3	291	954	507	538	576	741	6,175	9,190
DPNBS-646	T26124	646	327.5	0.140	3.6	3.040	77.2	0.04	0.1	0.09	0.3	314	1,030	570	632	677	944	7,185	10,690
DPNBS-777	T26125	777	393.8	0.140	3.6	3.240	82.3	0.03	0.1	0.09	0.3	345	1,132	641	684	733	951	8,420	12,530

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 (metric)	Non-Explosion Proof: Armored (NPT)	Explosion Proof: (Armored) Hub Size Reference	Non-Explosion Proof: (Armored) - NPT Thread Size Reference
		in	mm					
DPNBS-8	T26108	0.780	19.8	424AN-03/ 12	474SW-55	474NP-10/ 14	01 = 1/2"	03 = 1/2" - 14 NPT
DPNBS-6	T26109	0.920	23.4	424AN-04/ 15	474SW-55	474NP-10/ 14	02 = 3/4"	04 = 1/2" - 14 NPT
DPNBS-5	T26110	1.040	26.4	424AN-04/ 15	474SW-56	474NP-15/ 20	03 = 1"	07 = 3/4" - 14 NPT
DPNBS-4	T26111	1.100	27.9	424AN-04/ 15	474SW-56	474NP-15/ 20	04 = 1-1/4"	05 = 1/2" - 14 NPT
DPNBS-3	T26112	1.140	29.0	424AN-04/ 15	474SW-56	474NP-15/ 20	05 = 1-1/2"	08 = 3/4" - 14 NPT
DPNBS-2	T26113	1.230	31.2	424AN-05	474SW-56	474NP-15/ 20	06 = 2"	10 = 3/4" - 14 NPT
DPNBS-1	T26114	1.370	34.8	424AN-05	474SW-57	474NP-21/ 27	07 = 2-1/2"	14 = 1" - 11-1/2 NPT
DPNBS-1/0	T26115	1.440	36.6	424AN-06	474SW-57	474NP-21/ 27	08 = 3"	15 = 1" - 11-1/2 NPT
DPNBS-2/0	T26116	1.600	40.6	424AN-06	474SW-58	474NP-28/ 31	09 = 3-1/2"	20 = 1-1/4" - 11-1/2 NPT
DPNBS-3/0	T26117	1.790	45.5	424AN-06	474SW-58	474NP-28/ 31	10 = 1/2"	21 = 1-1/4" - 11-1/2 NPT
DPNBS-4/0	T26118	1.980	50.3	424AN-07	474SW-59	474NP-32	12 = 3/4"	27 = 1-1/2" - 11-1/2 NPT
DPNBS-262	T26119	2.150	54.6	424AN-07	474SW-60	474NP-33	15 = 1"	28 = 1-1/2" - 11-1/2 NPT
DPNBS-313	T26120	2.250	57.2	424AN-07	474SW-60	474NP-33		31 = 2" - 11-1/2 NPT
DPNBS-373	T26121	2.390	60.7	424AN-08	474SW-61	474NP-38		32 = 2" - 11-1/2 NPT
DPNBS-444	T26122	2.530	64.3	424AN-08	474SW-61	474NP-38		33 = 2" - 11-1/2 NPT
DPNBS-535	T26123	2.840	72.1	424AN-08/ 09	474SW-63	474NP-45		38 = 2-1/2" - 8 NPT
DPNBS-646	T26124	3.040	77.2	424AN-09	474SW-63	474NP-45		39 = 2-1/2" - 8 NPT
DPNBS-777	T26125	3.240	82.3	424AN-09	474SW-64	474NP-47		45 = 3" - 8 NPT
								47 = 3" - 8 NPT