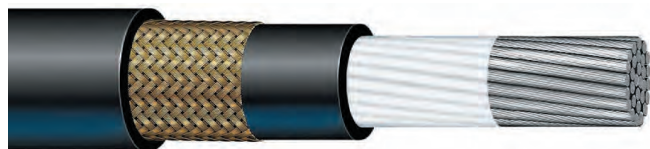


BOSTRIG™ TYPE P-MR POWER CABLE 2000V

Single conductor / **armored and sheathed and unarmored ester-based mud resistant**
TYPE P-MR POWER CABLE 2000V or **4/0 AWG to 1111 MCM**



Applications

Bostrig Type P Mud Resistant Cable is primarily designed for power, control, signal, and instrumentation for marine vessels, and offshore production facilities. Instead of Polychloroprene (Neoprene), they are sheathed in our proprietary elastomeric formulation which is not only mud-resistant but is qualified as a Low-Smoke Zero-Halogen (LSZH) cable in accordance with IEEE 45, IEEE 1580.

This mud-resistant jacket is designed for use in areas where ester-based drilling muds and fluids are present. These cables are listed by ETL in accordance with IEEE 45 and type approved by DNV as resistant to NOVA Plus., Petrofree LE, and Petrofree drilling muds and fluids. The cable was tested in accordance with NEK 606 for 56 days at 70°C in each of the ester-based muds mentioned above.

This product can also be manufactured in an unarmored version.

Multiconductor power, control, and instrumentation cables are also available.

Features/Ratings

- Special ester-based mud resistant jacket also provides 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

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

CONDUCTOR: Soft annealed tinned copper per ASTM B 33, stranded as shown in table on opposite page. A mylar separator is used over the conductor.

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

ARMOR: Braided bronze in accordance with IEEE 1580.

SHEATH: Flame-Retardant XLPO applied over the armor, meeting requirements of Type L in IEEE 1580. Thickness as shown in tables on opposite page.



- Meets IEEE standards for 2000V and performance requirements of IEC standards for 0.6/1kV
- This product may be manufactured in an unarmored or armored and sheathed version
- Armored and sheathed cables suitable for use in Class 1 Division 1 and Zone 1 hazardous locations offshore
- Unarmored cables suitable for use in Class I, Division 2 zone 2 hazardous locations offshore

Prysmian North America

1610 Greens Road, Suite 300
Houston, TX 77032

+1.281.209.1070 | +1.888.354.2225
ogp@prysmian.com
na.prysmian.com

BOSTRIG™ TYPE P-MR POWER CABLE 2000V

Single conductor / **armored and sheathed and unarmored ester-based mud resistant**

TYPE P-MR POWER CABLE 2000V or 4/0 AWG to 1111 MCM

Armored and sheathed

Type Designation	Draka Number	Conductor Size		Sheath Thickness		Cable Diameter (nominal)		Impedance (Phase-Neutral)		Inductance		Capacitance		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
SPBM2KV(HD)-4/0	026034M	4/0	112.6	0.080	2.0	1.040	26.4	0.07	0.2	0.11	0.4	146	479	335	351	376	495	1,185	1,765
SPBM2KV(HD)-262	026035M	262	133.1	0.080	2.0	1.100	27.9	0.06	0.2	0.10	0.3	162	531	382	407	436	559	1,355	2,015
SPBM2KV(HD)-313	026036M	313	158.7	0.080	2.0	1.170	29.7	0.06	0.2	0.10	0.3	175	574	426	455	487	617	1,570	2,335
SPBM2KV(HD)-373	026037M	373	189.2	0.080	2.0	1.240	31.5	0.05	0.2	0.10	0.3	189	620	476	516	553	692	1,790	2,665
SPBM2KV(HD)-444	026038M	444	225.2	0.080	2.0	1.330	33.8	0.05	0.2	0.10	0.3	205	672	531	588	630	772	2,130	3,170
SPBM2KV(HD)-535	026039M	535	271.3	0.080	2.0	1.420	36.1	0.04	0.01	0.10	0.3	200	656	596	630	675	871	2,470	3,675
SPBM2KV(HD)-646	026040M	646	327.5	0.080	2.0	1.520	38.6	0.04	0.01	0.10	0.3	216	708	670	731	783	979	3,050	4,540
SPBM2KV(HD)-777	026041M	777	394.2	0.080	2.0	1.610	40.9	0.04	0.01	0.10	0.3	236	774	754	822	881	1,101	3,570	5,315
SPBM2KV(HD)-1111	026042M	1111	563.0	0.110	2.8	1.960	49.8	0.04	0.01	0.10	0.3	257	843	942	1,025	1,098	1,374	4,770	7,100

Unarmored

Type Designation	Draka Number	Conductor Size		Sheath Thickness		Cable Diameter (nominal)		Impedance (Phase-Neutral)		Inductance		Capacitance		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
SPM2KV(HD)-4/0	026015M	4/0	112.6	0.080	2.0	0.980	24.9	0.07	0.2	0.11	0.4	146	479	335	351	376	495	1,060	1,575
SPM2KV(HD)-262	026016M	262	133.1	0.080	2.0	1.050	26.7	0.06	0.2	0.10	0.3	162	531	382	407	436	559	1,215	1,810
SPM2KV(HD)-313	026017M	313	158.7	0.080	2.0	1.130	28.7	0.06	0.2	0.10	0.3	175	574	426	455	487	617	1,420	2,115
SPM2KV(HD)-373	026018M	373	189.2	0.080	2.0	1.190	30.2	0.05	0.2	0.10	0.3	189	620	476	516	553	692	1,635	2,435
SPM2KV(HD)-444	026019M	444	225.2	0.080	2.0	1.270	32.3	0.05	0.2	0.10	0.3	205	672	531	588	630	772	1,935	2,880
SPM2KV(HD)-535	026020M	535	271.3	0.080	2.0	1.360	34.5	0.04	0.1	0.10	0.3	200	656	596	630	675	871	2,260	3,365
SPM2KV(HD)-646	026021M	646	327.5	0.080	2.0	1.530	38.9	0.04	0.1	0.10	0.3	216	708	670	731	783	979	2,790	4,150
SPM2KV(HD)-777	026022M	777	394.2	0.080	2.0	1.650	41.9	0.04	0.1	0.10	0.3	236	774	754	822	881	1,101	3,290	4,895
SPM2KV(HD)-1111	026023M	1111	563.0	0.110	2.8	1.930	49.0	0.04	0.1	0.10	0.3	257	843	942	1,025	1,098	1,374	4,495	6,690

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.



Prysmian North America

1610 Greens Road, Suite 300

Houston, TX 77032

+1.281.209.1070 | +1.888.354.2225

ogp@prysmian.com

na.prysmian.com

BOSTRIG™ TYPE P-MR POWER CABLE 2000V

Single conductor / **armored and sheathed and unarmored ester-based mud resistant**

TYPE P-MR POWER CABLE 2000V or **4/0 AWG to 1111 MCM**

Armored and sheathed

				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)		
SPBM2KV(HD)-4/0	026034M	1.040	26.4	424AN-03/ 04/ 12/ 15	474SW-56	474NP-15/ 20	01 = 1/2"	03 = 1/2" - 14 NPT
SPBM2KV(HD)-262	026035M	1.100	27.9	424AN-04/ 15	474SW-56	474NP-15/ 20	02 = 3/4"	04 = 1/2" - 14 NPT
SPBM2KV(HD)-313	026036M	1.170	29.7	424AN-04/ 15	474SW-56	474NP-15/ 20	03 = 1"	07 = 3/4" - 14 NPT
SPBM2KV(HD)-373	026037M	1.240	31.5	424AN-05	474SW-56	474NP-15/ 20	04 = 1-1/4"	05 = 1/2" - 14 NPT
SPBM2KV(HD)-444	026038M	1.330	33.8	424AN-05	474SW-57	474NP-21/ 27	05 = 1-1/2"	08 = 3/4" - 14 NPT
SPBM2KV(HD)-535	026039M	1.420	36.1	424AN-05/ 06	474SW-57	474NP-21/ 27	06 = 2"	10 = 3/4" - 14 NPT
SPBM2KV(HD)-646	026040M	1.520	38.6	424AN-06	474SW-58	474NP-28/ 31	07 = 2-1/2"	14 = 1" - 11-1/2 NPT
SPBM2KV(HD)-777	026041M	1.610	40.9	424AN-06	474SW-58	474NP-28/ 31	08 = 3"	15 = 1" - 11-1/2 NPT
SPBM2KV(HD)-1111	026042M	1.960	49.8	424AN-06/ 07	474SW-59	474NP-32	09 = 3-1/2"	20 = 1-1/4" - 11-1/2 NPT
							10 = 1/2"	21 = 1-1/4" - 11-1/2 NPT
							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

Unarmored

				GLAND SELECTION			GLAND REFERENCE CHART	
Type Designation	Draka Number	Cable Diameter (nominal)		Explosion Proof: Unarmored	Non-Explosion Proof: Unarmored	Non-Explosion Proof: Unarmored	Explosion Proof: (Unarmored) Hub Size Reference	Non-Explosion Proof: (Unarmored) - NPT Thread Size Reference
		in	mm		(metric)	(NPT)		
SPM2KV(HD)-4/0	026015M	0.980	24.9	424UB-04/ 05/ 15	494AB-56/ 57	494NE-15/ 20/ 21/ 27	01 = 1/2"	03 = 1/2" - 14 NPT
SPM2KV(HD)-262	026016M	1.050	26.7	424UB-04/ 05/ 15	494AB-56/ 57	494NE-15/ 20/ 21/ 27	02 = 1/2"	04 = 1/2" - 14 NPT
SPM2KV(HD)-313	026017M	1.130	28.7	424UB-05/ 15	494AB-57	494NE-21/ 27	03 = 3/4"	05 = 1/2" - 14 NPT
SPM2KV(HD)-373	026018M	1.190	30.2	424UB-05/ 15/ 06	494AB-57	494NE-21/ 27	04 = 1"	08 = 3/4" - 14 NPT
SPM2KV(HD)-444	026019M	1.270	32.3	424UB-06	494AB-57/ 59	494NE-21/ 27/ 32	05 = 1-1/4"	10 = 3/4" - 14 NPT
SPM2KV(HD)-535	026020M	1.360	34.5	424UB-06	494AB-59	494NE-32	15 = 1-1/2"	14 = 1" - 11-1/2 NPT
SPM2KV(HD)-646	026021M	1.530	38.9	424UB-06	494AB-59	494NE-32	06 = 2"	15 = 1" - 11-1/2 NPT
SPM2KV(HD)-777	026022M	1.650	41.9	424UB-06/ 07	494AB-61	494NE-38	07 = 2-1/2"	20 = 1-1/4" - 11-1/2 NPT
SPM2KV(HD)-1111	026023M	1.930	49.0	424UB-07	494AB-61	494NE-38	08 = 3"	21 = 1-1/4" - 11-1/2 NPT
							09 = 3-1/2"	27 = 1-1/2" - 11-1/2 NPT
								32 = 2" - 11-1/2 NPT
								38 = 2-1/2" - 8 NPT
								44 = 3" - 8 NPT
								45 = 3" - 8 NPT

BOSTRIG™ TYPE P POWER CABLE 600V OR 0.6/1kV & 2000V

Single conductor / **unarmored**

TYPE P POWER CABLE **600V or 0.6/1kV & 2000V, 18 AWG to 1111 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 & 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, mud, 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
- Unarmored cables suitable for Class 1, Division 2 and Zone 2 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
CSA 22.2 No. 230 as Type TC (#4/0 AWG and larger)
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

CONDUCTOR: 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. Thickness as shown in tables on opposite page.



Prysmian North America

1610 Greens Road, Suite 300
Houston, TX 77032

+1.281.209.1070 | +1.888.354.2225
ogp@prysmian.com
na.prysmian.com

BOSTRIG™ TYPE P POWER CABLE 600V OR 0.6/1kV & 2000V

Single conductor / **unarmored**

TYPE P POWER CABLE **600V or 0.6/1kV & 2000V, 18 AWG to 1111 MCM**

600V or 600/1000V

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
SP-18	026000	18	0.96	0.030	0.76	0.110	2.8	6.4	21.0	0.18	0.6	58	190	16	16	17	24	10	15
SP-16	026001	16	1.23	0.030	0.76	0.120	3.0	4.5	14.8	0.18	0.6	65	213	20	23	25	35	15	20
SP-14	026002	14	1.94	0.030	0.76	0.140	3.6	2.9	9.5	0.16	0.5	77	253	29	37	39	56	20	30
SP-12	026003	12	3.08	0.030	0.76	0.150	3.8	1.9	6.2	0.15	0.5	90	295	38	45	49	67	25	35
SP-10	026004	10	5.58	0.030	0.76	0.180	4.6	1.2	3.9	0.14	0.5	107	351	51	58	61	87	45	65
SP-8	026005	8	7.57	0.045	1.14	0.240	6.1	0.7	2.3	0.14	0.5	95	311	67	72	77	90	70	105
SP-6	026006	6	12.5	0.045	1.14	0.290	7.4	0.5	1.6	0.12	0.4	126	413	90	96	103	126	100	150
SP-5	026007	5	18.6	0.045	1.14	0.340	8.6	0.3	1.6	0.12	0.4	140	459	111	109	117	153	145	215
SP-4	026008	4	21.5	0.045	1.14	0.360	9.1	0.3	1.6	0.12	0.4	153	502	122	128	137	158	170	255
SP-3	026009	3	27.2	0.045	1.14	0.400	10.2	0.2	0.7	0.11	0.4	173	567	142	146	156	195	255	380
SP-2	026010	2	33.7	0.045	1.14	0.420	10.7	0.2	0.7	0.11	0.4	187	613	162	169	181	217	260	385
SP-1	026011	1	46.1	0.055	1.40	0.500	12.7	0.1	0.3	0.11	0.4	178	584	197	194	208	281	350	520
SP-1/0	026012	1/0	56.3	0.055	1.40	0.520	13.2	0.1	0.3	0.11	0.4	190	623	223	227	243	319	420	625
SP-2/0	026013	2/0	67.6	0.055	1.40	0.570	14.5	0.09	0.3	0.10	0.3	212	695	250	262	281	354	475	705
SP-3/0	026014	3/0	92.1	0.055	1.40	0.670	17.0	0.08	0.3	0.10	0.3	245	804	304	300	321	437	680	1,010

2000V

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
SP2KV-8	030477	8	7.57	0.055	1.4	0.260	6.6	0.695	2.28	0.108	0.354	82	269	67	72	77	90	75	110
SP2KV-6	030478	6	12.5	0.055	1.4	0.320	8.1	0.442	1.45	0.099	0.324	108	354	90	96	103	126	115	170
SP2KV-5	030479	5	18.6	0.055	1.4	0.350	8.9	0.332	1.09	0.097	0.318	120	393	111	109	117	153	147	220
SP2KV-4	030480	4	21.5	0.055	1.4	0.370	9.4	0.277	0.91	0.095	0.312	131	430	122	128	137	158	170	255
SP2KV-3	030481	3	25.6	0.055	1.4	0.420	10.7	0.221	0.72	0.092	0.302	148	485	142	146	156	195	205	305
SP2KV-2	030482	2	30.7	0.055	1.4	0.430	10.9	0.176	0.58	0.090	0.295	160	525	162	169	181	217	250	370
SP2KV-1	030483	1	46.0	0.065	1.7	0.520	13.2	0.141	0.46	0.091	0.298	158	518	197	194	208	281	340	505
SP2KV-1/0	029732	1/0	56.3	0.065	1.7	0.540	13.7	0.113	0.37	0.089	0.292	168	551	223	227	243	319	430	640
SP2KV-2/0	027055	2/0	66.5	0.065	1.7	0.590	15.0	0.092	0.30	0.088	0.289	184	604	250	262	281	354	520	775
SP2KV-3/0	030484	3/0	92.1	0.065	1.7	0.670	17.0	0.075	0.25	0.086	0.282	216	708	304	300	321	437	680	1,010
SP2KV(HD)-4/0	026015	4/0	112.6	0.105	2.7	0.820	20.8	0.07	0.2	0.11	0.4	146	479	344	351	376	495	875	1,300
SP2KV(HD)-262	026016	262	133.1	0.105	2.7	0.880	22.4	0.06	0.2	0.10	0.3	162	531	382	407	436	559	1,020	1,520
SP2KV(HD)-313	026017	313	158.7	0.105	2.7	0.940	23.9	0.06	0.2	0.10	0.3	175	574	426	455	487	617	1,215	1,810
SP2KV(HD)-373	026018	373	189.2	0.105	2.7	0.990	25.1	0.05	0.2	0.10	0.3	189	620	476	516	553	692	1,410	2,100
SP2KV(HD)-444	026019	444	225.2	0.105	2.7	1.110	28.2	0.05	0.2	0.10	0.3	205	672	531	588	630	772	1,705	2,535
SP2KV(HD)-535	026020	535	271.3	0.120	3.0	1.140	29.0	0.04	0.1	0.10	0.3	200	656	596	630	675	871	1,975	2,940
SP2KV(HD)-646	026021	646	327.5	0.120	3.0	1.260	32.0	0.04	0.1	0.10	0.3	216	708	670	731	783	979	2,410	3,585
SP2KV(HD)-777	026022	777	394.2	0.120	3.0	1.420	36.1	0.04	0.1	0.10	0.3	236	774	754	822	881	1,101	2,890	4,300
SP2KV(HD)-1111	026023	1111	563.0	0.120	3.0	1.610	40.9	0.04	0.1	0.10	0.3	257	843	942	1,025	1,098	1,374	3,945	5,870

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.

BOSTRIG™ TYPE P POWER CABLE 600V OR 0.6/1kV & 2000V

Single conductor / **unarmored**

TYPE P POWER CABLE **600V or 0.6/1kV & 2000V, 18 AWG to 1111 MCM**

600V or 600/1000V

				GLAND SELECTION			GLAND REFERENCE CHART	
Type Designation	Draka Number	Cable Diameter (nominal)		Explosion Proof: Unarmored	Non-Explosion Proof: Unarmored	Non-Explosion Proof: Unarmored	Explosion Proof: (Unarmored) Hub Size Reference	Non-Explosion Proof: (Unarmored) - NPT Thread Size Reference
		in	mm		(metric)	(NPT)		
SP-18	026000	0.110	2.8	***	***	***	01 = 1/2"	03 = 1/2" - 14 NPT
SP-16	026001	0.120	3.0	***	***	***	02 = 1/2"	04 = 1/2" - 14 NPT
SP-14	026002	0.140	3.6	424UB-01	494AB-51/ 71	494NE-03	03 = 3/4"	05 = 1/2" - 14 NPT
SP-12	026003	0.150	3.8	424UB-01	494AB-51/ 71	494NE-03	04 = 1"	08 = 3/4" - 14 NPT
SP-10	026004	0.180	4.6	424UB-01	494AB-51/ 71	494NE-03	05 = 1-1/4"	10 = 3/4" - 14 NPT
SP-8	026005	0.240	6.1	424UB-01	494AB-51/ 71	494NE-03	15 = 1-1/2"	14 = 1" - 11-1/2 NPT
SP-6	026006	0.290	7.4	424UB-01	494AB-51/ 71	494NE-03	06 = 2"	15 = 1" - 11-1/2 NPT
SP-5	026007	0.340	8.6	424UB-01	494AB-52/ 53	494NE-04/ 05/ 08	07 = 2-1/2"	20 = 1-1/4" - 11-1/2 NPT
SP-4	026008	0.360	9.1	424UB-01/ 02	494AB-52/ 53	494NE-04/ 05/ 08	08 = 3"	21 = 1-1/4" - 11-1/2 NPT
SP-3	026009	0.400	10.2	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08	09 = 3-1/2"	27 = 1-1/2" - 11-1/2 NPT
SP-2	026010	0.420	10.7	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08		32 = 2" - 11-1/2 NPT
SP-1	026011	0.500	12.7	424UB-02	494AB-53/ 55	494NE-05/ 08/ 10/ 14		38 = 2-1/2" - 8 NPT
SP-1/0	026012	0.520	13.2	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14		44 = 3" - 8 NPT
SP-2/0	026013	0.570	14.5	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14		45 = 3" - 8 NPT
SP-3/0	026014	0.670	17.0	424UB-03/ 04	494AB-55	494NE-10/ 14		

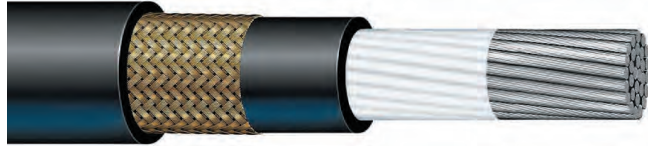
2000V

				GLAND SELECTION			GLAND REFERENCE CHART	
Type Designation	Draka Number	Cable Diameter (nominal)		Explosion Proof: Unarmored	Non-Explosion Proof: Unarmored	Non-Explosion Proof: Unarmored	Explosion Proof: (Unarmored) Hub Size Reference	Non-Explosion Proof: (Unarmored) - NPT Thread Size Reference
		in	mm		(metric)	(NPT)		
SP2KV-8	030477	0.260	6.6	424UB-01	494AB-51/ 71	494NE-03	01 = 1/2"	03 = 1/2" - 14 NPT
SP2KV-6	030478	0.320	8.1	424UB-01	494AB-51/ 71/ 52/ 53	494NE-03/ 04/ 05/ 08	02 = 1/2"	04 = 1/2" - 14 NPT
SP2KV-5	030479	0.350	8.9	424UB-01/ 02	494AB-52/ 53	494NE-04/ 05/ 08	03 = 3/4"	05 = 1/2" - 14 NPT
SP2KV-4	030480	0.370	9.4	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08	04 = 1"	08 = 3/4" - 14 NPT
SP2KV-3	030481	0.420	10.7	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08	05 = 1-1/4"	10 = 3/4" - 14 NPT
SP2KV-2	030482	0.430	10.9	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08	15 = 1-1/2"	14 = 1" - 11-1/2 NPT
SP2KV-1	030483	0.520	13.2	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	06 = 2"	15 = 1" - 11-1/2 NPT
SP2KV-1/0	029732	0.540	13.7	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	07 = 2-1/2"	20 = 1-1/4" - 11-1/2 NPT
SP2KV-2/0	027055	0.590	15.0	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	08 = 3"	21 = 1-1/4" - 11-1/2 NPT
SP2KV-3/0	030484	0.670	17.0	424UB-03/ 04	494AB-55	494NE-10/ 14	09 = 3-1/2"	27 = 1-1/2" - 11-1/2 NPT
SP2KV(HD)-4/0	026015	0.820	20.8	424UB-04	494AB-55/ 56	494NE-10/ 14/ 15/ 20		32 = 2" - 11-1/2 NPT
SP2KV(HD)-262	026016	0.880	22.4	424UB-04	494AB-56	494NE-15/ 20		38 = 2-1/2" - 8 NPT
SP2KV(HD)-313	026017	0.940	23.9	424UB-04	494AB-56	494NE-15/ 20		44 = 3" - 8 NPT
SP2KV(HD)-373	026018	0.990	25.1	424UB-04/ 05/ 15	494AB-56/ 57	494NE-15/ 20/ 21/ 27		45 = 3" - 8 NPT
SP2KV(HD)-444	026019	1.110	28.2	424UB-05/ 15	494AB-57	494NE-21/ 27		
SP2KV(HD)-535	026020	1.140	29.0	424UB-05/ 15	494AB-57	494NE-21/ 27		
SP2KV(HD)-646	026021	1.260	32.0	424UB-06	494AB-57/ 59	494NE-21/ 27/ 32		
SP2KV(HD)-777	026022	1.420	36.1	424UB-06	494AB-59	494NE-32		
SP2KV(HD)-1111	026023	1.610	40.9	424UB-06/ 07	494AB-61	494NE-38		

BOSTRIG™ TYPE P POWER CABLE 600V OR 0.6/1kV & 2000V

Single conductor / **armored and sheathed**

TYPE P POWER CABLE **600V or 0.6/1kV & 2000V**, 8 AWG to 1111 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 & 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

CONDUCTOR: 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. Thickness as shown in tables on opposite page.

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 North America

1610 Greens Road, Suite 300
 Houston, TX 77032

+1.281.209.1070 | +1.888.354.2225
 ogp@prysmian.com
 na.prysmian.com

BOSTRIG™ TYPE P POWER CABLE 600V OR 0.6/1kV & 2000V

Single conductor / **armored and sheathed**

TYPE P POWER CABLE **600V or 0.6/1kV & 2000V, 8 AWG to 1111 MCM**

600V

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
SPBS-8	T26024	8	7.57	0.060	1.5	0.420	10.7	0.7	2.3	0.14	0.5	95	311	67	72	77	90	160	240
SPBS-6	T26025	6	12.5	0.060	1.5	0.480	12.2	0.5	1.6	0.12	0.4	126	413	90	96	103	126	205	305
SPBS-5	T26026	5	18.6	0.060	1.5	0.530	13.5	0.3	1.6	0.12	0.4	140	459	111	109	117	153	260	385
SPBS-4	T26027	4	21.5	0.060	1.5	0.540	13.7	0.3	1.6	0.12	0.4	153	502	122	128	137	158	300	445
SPBS-3	T26028	3	27.2	0.060	1.5	0.560	14.2	0.2	0.7	0.11	0.4	173	567	142	146	156	195	335	500
SPBS-2	T26029	2	33.7	0.060	1.5	0.610	15.5	0.2	0.7	0.11	0.4	187	613	162	169	181	217	405	605
SPBS-1	T26030	1	46.1	0.060	1.5	0.680	17.3	0.1	0.3	0.11	0.4	178	584	197	194	208	281	520	775
SPBS-1/0	T26031	1/0	56.3	0.060	1.5	0.710	18.0	0.1	0.3	0.11	0.4	190	623	223	227	243	319	605	900
SPBS-2/0	T26032	2/0	67.6	0.060	1.5	0.750	19.1	0.09	0.3	0.10	0.3	212	695	250	262	281	354	665	990
SPBS-3/0	T26033	3/0	92.1	0.060	1.5	0.830	21.1	0.08	0.3	0.10	0.3	245	804	304	300	321	437	900	1,340

2000V

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
SPBS2KV-8	T36754	8	7.57	0.060	1.5	0.460	11.7	0.696	2.28	0.138	0.453	82	269	67	72	77	90	155	230
SPBS2KV-6	T36755	6	12.5	0.060	1.5	0.520	13.2	0.442	1.45	0.124	0.407	108	354	90	96	103	126	210	315
SPBS2KV-5	T36756	5	18.6	0.060	1.5	0.550	14.0	0.333	1.09	0.120	0.394	120	393	111	109	117	153	250	370
SPBS2KV-4	T36757	4	21.5	0.060	1.5	0.580	14.7	0.279	0.92	0.120	0.394	131	430	122	128	137	158	300	445
SPBS2KV-3	T36758	3	25.6	0.060	1.5	0.620	15.7	0.222	0.73	0.115	0.377	148	485	142	146	156	195	345	515
SPBS2KV-2	T36742	2	30.7	0.060	1.5	0.620	15.7	0.178	0.58	0.112	0.367	160	525	162	169	181	217	395	590
SPBS2KV-1	T36759	1	46.0	0.060	1.5	0.720	18.3	0.143	0.47	0.110	0.361	158	518	197	194	208	281	510	760
SPBS2KV-1/0	T36760	1/0	56.3	0.060	1.5	0.750	19.1	0.115	0.38	0.108	0.354	168	551	223	227	243	319	580	865
SPBS2KV-2/0	T36761	2/0	66.5	0.060	1.5	0.790	20.1	0.095	0.31	0.105	0.344	184	604	250	262	281	354	690	1,025
SPBS2KV-3/0	T27068	3/0	92.1	0.080	2.0	0.940	23.9	0.079	0.26	0.105	0.344	216	708	304	300	321	437	935	1,390
SPBS2KV(HD)-4/0	T26034	4/0	112.6	0.080	2.0	1.040	26.4	0.07	0.2	0.11	0.4	146	479	344	351	376	495	1,190	1,770
SPBS2KV(HD)-262	T26035	262	133.1	0.080	2.0	1.100	27.9	0.06	0.2	0.10	0.3	162	531	382	407	436	559	1,360	2,025
SPBS2KV(HD)-313	T26036	313	158.7	0.080	2.0	1.170	29.7	0.06	0.2	0.10	0.3	175	574	426	455	487	617	1,595	2,375
SPBS2KV(HD)-373	T26037	373	189.2	0.080	2.0	1.230	31.2	0.05	0.2	0.10	0.3	189	620	476	516	553	692	1,820	2,710
SPBS2KV(HD)-444	T26038	444	225.2	0.080	2.0	1.300	33.0	0.05	0.2	0.10	0.3	205	672	531	588	630	772	2,125	3,160
SPBS2KV(HD)-535	T26039	535	271.3	0.080	2.0	1.430	36.3	0.04	0.1	0.10	0.3	200	656	596	630	675	871	2,530	3,765
SPBS2KV(HD)-646	T26040	646	327.5	0.080	2.0	1.510	38.4	0.04	0.1	0.10	0.3	216	708	670	731	783	979	2,975	4,425
SPBS2KV(HD)-777	T26041	777	394.2	0.080	2.0	1.640	41.7	0.04	0.1	0.10	0.3	236	774	754	822	881	1,101	3,475	5,170
SPBS2KV(HD)-1111	T26042	1111	563.0	0.110	2.8	1.890	48.0	0.04	0.1	0.10	0.3	257	843	942	1,025	1,098	1,374	4,730	7,040

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.



Prysmian North America

1610 Greens Road, Suite 300

Houston, TX 77032

+1.281.209.1070 | +1.888.354.2225

ogp@prysmian.com

na.prysmian.com

BOSTRIG™ TYPE P POWER CABLE 600V OR 0.6/1kV & 2000V

Single conductor / **armored and sheathed**

TYPE P POWER CABLE **600V** or **0.6/1kV & 2000V**, 8 AWG to 1111 MCM

600V

				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)		
SPBS-8	T26024	0.420	10.7	424AN-01	474SW-71	474NP-03	01 = 1/2"	03 = 1/2" - 14 NPT
SPBS-6	T26025	0.480	12.2	424AN-01/ 02/ 10	474SW-52	474NP-04/ 07	02 = 3/4"	04 = 1/2" - 14 NPT
SPBS-5	T26026	0.530	13.5	424AN-01/ 02/ 10	474SW-52	474NP-04/ 07	03 = 1"	07 = 3/4" - 14 NPT
SPBS-4	T26027	0.540	13.7	424AN-01/ 02/ 10	474SW-52	474NP-04/ 07	04 = 1-1/4"	05 = 1/2" - 14 NPT
SPBS-3	T26028	0.560	14.2	424AN-01/ 02/ 10	474SW-52	474NP-04/ 07	05 = 1-1/2"	08 = 3/4" - 14 NPT
SPBS-2	T26029	0.610	15.5	424AN-01/ 02/ 10	474SW-53	474NP-05/ 08	06 = 2"	10 = 3/4" - 14 NPT
SPBS-1	T26030	0.680	17.3	424AN-02/ 03/ 10/ 12	474SW-53	474NP-05/ 08	07 = 2-1/2"	14 = 1" - 11-1/2 NPT
SPBS-1/0	T26031	0.710	18.0	424AN-02/ 03/ 10/ 12	474SW-53	474NP-05/ 08	08 = 3"	15 = 1" - 11-1/2 NPT
SPBS-2/0	T26032	0.750	19.1	424AN-02/ 03/ 10/ 12	474SW-55	474NP-10/ 14	09 = 3-1/2"	20 = 1-1/4" - 11-1/2 NPT
SPBS-3/0	T26033	0.830	21.1	424AN-03/ 04/ 12/ 15	474SW-55	474NP-10/ 14	10 = 1/2"	21 = 1-1/4" - 11-1/2 NPT
							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

2000V

				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)		
SPBS2KV-8	T36754	0.460	11.7	424AN-01	474SW-52	474NP-04/ 07	01 = 1/2"	03 = 1/2" - 14 NPT
SPBS2KV-6	T36755	0.520	13.2	424AN-01/ 02/ 10	474SW-52	474NP-04/ 07	02 = 3/4"	04 = 1/2" - 14 NPT
SPBS2KV-5	T36756	0.550	14.0	424AN-01/ 02/ 10	474SW-53	474NP-05/ 08	03 = 1"	07 = 3/4" - 14 NPT
SPBS2KV-4	T36757	0.580	14.7	424AN-02/ 10	474SW-53	474NP-05/ 08	04 = 1-1/4"	05 = 1/2" - 14 NPT
SPBS2KV-3	T36758	0.620	15.7	424AN-02/ 10	474SW-53	474NP-05/ 08	05 = 1-1/2"	08 = 3/4" - 14 NPT
SPBS2KV-2	T36742	0.620	15.7	424AN-02/ 10	474SW-53	474NP-05/ 08	06 = 2"	10 = 3/4" - 14 NPT
SPBS2KV-1	T36759	0.720	18.3	424AN-02/ 10	474SW-55	474NP-10/ 14	07 = 2-1/2"	14 = 1" - 11-1/2 NPT
SPBS2KV-1/0	T36760	0.750	19.1	424AN-02/ 03/ 10/ 12	474SW-55	474NP-10/ 14	08 = 3"	15 = 1" - 11-1/2 NPT
SPBS2KV-2/0	T36761	0.790	20.1	424AN-04/ 15	474SW-55	474NP-10/ 14	09 = 3-1/2"	20 = 1-1/4" - 11-1/2 NPT
SPBS2KV-3/0	T27068	0.940	23.9	424AN-04/ 15	474SW-55	474NP-10/ 14	10 = 1/2"	21 = 1-1/4" - 11-1/2 NPT
SPBS2KV(HD)-4/0	T26034	1.040	26.4	424AN-03/ 04/ 12/ 15	474SW-56	474NP-15/ 20	12 = 3/4"	27 = 1-1/2" - 11-1/2 NPT
SPBS2KV(HD)-262	T26035	1.100	27.9	424AN-04/ 15	474SW-56	474NP-15/ 20	15 = 1"	28 = 1-1/2" - 11-1/2 NPT
SPBS2KV(HD)-313	T26036	1.170	29.7	424AN-04/ 15	474SW-56	474NP-15/ 20		31 = 2" - 11-1/2 NPT
SPBS2KV(HD)-373	T26037	1.230	31.2	424AN-05	474SW-56	474NP-15/ 20		32 = 2" - 11-1/2 NPT
SPBS2KV(HD)-444	T26038	1.300	33.0	424AN-05	474SW-57	474NP-21/ 27		33 = 2" - 11-1/2 NPT
SPBS2KV(HD)-535	T26039	1.430	36.3	424AN-05/ 06	474SW-57	474NP-21/ 27		38 = 2-1/2" - 8 NPT
SPBS2KV(HD)-646	T26040	1.510	38.4	424AN-06	474SW-58	474NP-28/ 31		39 = 2-1/2" - 8 NPT
SPBS2KV(HD)-777	T26041	1.640	41.7	424AN-06	474SW-58	474NP-28/ 31		45 = 3" - 8 NPT
SPBS2KV(HD)-1111	T26042	1.890	48.0	424AN-06/ 07	474SW-59	474NP-32		47 = 3" - 8 NPT

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

Two conductor / **unarmored**

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 & 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
- Unarmored cables suitable for Class 1, Division 2 and Zone 2 hazardous locations offshore
- Meets the requirements of UL 1277 and UL 1569 for Type TC-ER exposed runs

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
 CSA 22.2 No. 230- Type TC-ER
 CSA 22.2 No. 230 & No. 38 Direct Burial (#14 AWG & larger)
 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.



Prysmian North America

1610 Greens Road, Suite 300
 Houston, TX 77032

+1.281.209.1070 | +1.888.354.2225
 ogp@prysmian.com
 na.prysmian.com

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

Two conductor / **unarmored**

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

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
DPN-8	T26043	8	7.57	0.060	1.5	0.590	15.0	0.70	2.3	0.12	0.4	95	312	58	64	69	77	225	335
DPN-6	T26044	6	12.5	0.060	1.5	0.710	18.0	0.46	1.5	0.11	0.4	126	413	83	85	91	111	320	475
DPN-5	T26045	5	18.6	0.060	1.5	0.810	20.6	0.33	1.1	0.11	0.4	140	459	95	101	108	147	440	655
DPN-4	T26046	4	21.5	0.080	2.0	0.870	22.1	0.29	1.0	0.10	0.3	153	502	104	110	118	153	510	760
DPN-3	T26047	3	25.6	0.080	2.0	0.920	23.4	0.23	0.8	0.10	0.3	173	567	121	132	141	180	605	900
DPN-2	T26048	2	30.7	0.080	2.0	1.010	25.7	0.18	0.6	0.10	0.3	187	613	138	149	160	196	725	1,080
DPN-1	T26049	1	46.0	0.080	2.0	1.150	29.2	0.14	0.5	0.09	0.3	178	584	168	174	186	245	930	1,385
DPN-1/0	T26050	1/0	56.3	0.080	2.0	1.220	31.0	0.12	0.4	0.09	0.3	190	623	190	199	213	278	1,125	1,675
DPN-2/0	T26051	2/0	66.5	0.080	2.0	1.300	33.0	0.09	0.3	0.09	0.3	212	695	213	242	259	309	1,295	1,925
DPN-3/0	T26052	3/0	92.1	0.080	2.0	1.500	38.1	0.08	0.3	0.09	0.3	245	804	259	265	284	382	1,710	2,545
DPN-4/0	T26053	4/0	112.6	0.080	2.0	1.610	40.9	0.07	0.2	0.09	0.3	259	850	293	307	329	432	2,125	3,160
DPN-262	T26054	262	133.0	0.110	2.8	1.840	46.7	0.06	0.2	0.09	0.3	247	810	325	358	383	481	2,600	3,870
DPN-313	T26055	313	158.6	0.110	2.8	1.970	50.0	0.05	0.2	0.09	0.3	270	886	362	391	419	539	3,035	4,515
DPN-373	T26056	373	189.3	0.110	2.8	2.090	53.1	0.04	0.1	0.09	0.3	292	958	405	442	473	599	3,380	5,030
DPN-444	T26057	444	225.1	0.110	2.8	2.180	55.4	0.04	0.1	0.09	0.3	318	1,043	451	504	540	669	3,955	5,885
DPN-535	T26058	535	271.2	0.110	2.8	2.430	61.7	0.04	0.1	0.09	0.3	291	954	507	538	576	741	4,960	7,380
DPN-646	T26059	646	327.5	0.110	2.8	2.630	66.8	0.04	0.1	0.09	0.3	314	1,030	570	632	677	944	5,880	8,750
DPN-777	T26060	777	393.8	0.140	3.6	2.900	73.7	0.03	0.1	0.09	0.3	345	1,132	641	684	733	951	7,030	10,460

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.



Prysmian North America

1610 Greens Road, Suite 300
Houston, TX 77032

+1.281.209.1070 | +1.888.354.2225

ogp@prysmian.com

na.prysmian.com

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

Two conductor / **unarmored**

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

				GLAND SELECTION			GLAND REFERENCE CHART	
Type Designation	Draka Number	Cable Diameter (nominal)		Explosion Proof: Unarmored	Non-Explosion Proof: Unarmored	Non-Explosion Proof: Unarmored	Explosion Proof: (Unarmored) Hub Size Reference	Non-Explosion Proof: (Unarmored) - NPT Thread Size Reference
		in	mm		(metric)	(NPT)		
DPN-8	T26043	0.590	15.0	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	01 = 1/2"	03 = 1/2" - 14 NPT
DPN-6	T26044	0.710	18.0	424UB-03/ 04	494AB-55	494NE-10/ 14	02 = 1/2"	04 = 1/2" - 14 NPT
DPN-5	T26045	0.810	20.6	424UB-04	494AB-55/ 56	494NE-10/ 14/ 15/ 20	03 = 3/4"	05 = 1/2" - 14 NPT
DPN-4	T26046	0.870	22.1	424UB-04	494AB-56	494NE-15/ 20	04 = 1"	08 = 3/4" - 14 NPT
DPN-3	T26047	0.920	23.4	424UB-04	494AB-56	494NE-15/ 20	05 = 1-1/4"	10 = 3/4" - 14 NPT
DPN-2	T26048	1.010	25.7	424UB-04/ 05/ 15	494AB-56/ 57	494NE-15/ 20/ 21/ 27	15 = 1-1/2"	14 = 1" - 11-1/2 NPT
DPN-1	T26049	1.150	29.2	424UB-05/ 15/ 06	494AB-57	494NE-21/ 27	06 = 2"	15 = 1" - 11-1/2 NPT
DPN-1/0	T26050	1.220	31.0	424UB-05/ 15/ 06	494AB-57	494NE-21/ 27	07 = 2-1/2"	20 = 1-1/4" - 11-1/2 NPT
DPN-2/0	T26051	1.300	33.0	424UB-06	494AB-57/ 59	494NE-21/ 27/ 32	08 = 3"	21 = 1-1/4" - 11-1/2 NPT
DPN-3/0	T26052	1.500	38.1	424UB-06	494AB-59	494NE-32	09 = 3-1/2"	27 = 1-1/2" - 11-1/2 NPT
DPN-4/0	T26053	1.610	40.9	424UB-06/ 07	494AB-61	494NE-38		32 = 2" - 11-1/2 NPT
DPN-262	T26054	1.840	46.7	424UB-07	494AB-61	494NE-38		38 = 2-1/2" - 8 NPT
DPN-313	T26055	1.970	50.0	424UB-07/ 08	494AB-61	494NE-38		44 = 3" - 8 NPT
DPN-373	T26056	2.090	53.1	424UB-08	494AB-62	494NE-44		45 = 3" - 8 NPT
DPN-444	T26057	2.180	55.4	424UB-08/ 09	494AB-62/ 63	494NE-44/ 45		
DPN-535	T26058	2.430	61.7	424UB-09	494AB-63	494NE-45		
DPN-646	T26059	2.630	66.8	424UB-09	***	***		
DPN-777	T26060	2.900	73.7	424UB-09	***	***		



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na.prysmian.com

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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1610 Greens Road, Suite 300
Houston, TX 77032

+1.281.209.1070 | +1.888.354.2225
ogp@prysmian.com
na.prysmian.com

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**

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.



Prysmian North America

1610 Greens Road, Suite 300
Houston, TX 77032

+1.281.209.1070 | +1.888.354.2225
ogp@prysmian.com
na.prysmian.com

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

				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)		
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



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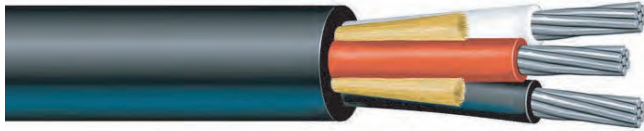
1610 Greens Road, Suite 300
Houston, TX 77032

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ogp@prysmian.com
na.prysmian.com

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

Three conductor / **unarmored**

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 & 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
- Unarmored cables suitable for Class 1, Division 2 and Zone 2 hazardous locations offshore
- Meets the requirements of UL 1277 and UL 1569 for Type TC-ER exposed runs

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

CSA 22.2 No. 230- Type TC-ER

CSA 22.2 No. 230 & No. 38 Direct Burial (#14 AWG & larger)

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

Three conductor / **unarmored**

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

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
TPN-8	T26061	8	7.57	0.060	1.5	0.640	16.3	0.70	2.3	0.12	0.4	95	312	47	52	56	63	300	445
TPN-6	T26062	6	12.5	0.060	1.5	0.770	19.6	0.46	1.5	0.11	0.4	126	413	63	70	75	91	435	645
TPN-5	T26063	5	18.6	0.080	2.0	0.890	22.6	0.33	1.1	0.11	0.4	140	459	78	82	88	120	555	825
TPN-4	T26064	4	21.5	0.080	2.0	0.930	23.6	0.29	1.0	0.10	0.3	153	502	86	92	99	126	685	1,020
TPN-3	T26065	3	25.6	0.080	2.0	1.010	25.7	0.23	0.8	0.10	0.3	173	567	99	108	116	148	830	1,235
TPN-2	T26066	2	30.7	0.080	2.0	1.070	27.2	0.18	0.6	0.10	0.3	187	613	111	122	131	161	965	1,435
TPN-1	T26067	1	46.1	0.080	2.0	1.220	31.0	0.14	0.5	0.09	0.3	178	584	137	143	153	202	1,270	1,890
TPN-1/0	T26068	1/0	56.3	0.080	2.0	1.300	33.0	0.12	0.4	0.09	0.3	190	623	156	164	176	229	1,545	2,300
TPN-2/0	T26069	2/0	66.5	0.080	2.0	1.390	35.3	0.09	0.3	0.09	0.3	212	695	175	188	201	254	1,815	2,700
TPN-3/0	T26070	3/0	92.1	0.080	2.0	1.550	39.4	0.08	0.3	0.09	0.3	245	804	213	218	234	313	2,400	3,570
TPN-4/0	T26071	4/0	112.6	0.110	2.8	1.720	43.7	0.07	0.2	0.09	0.3	259	850	241	252	270	354	3,015	4,485
TPN-262	T26072	262	133.0	0.110	2.8	1.870	47.5	0.06	0.2	0.09	0.3	247	810	267	294	315	395	3,520	5,240
TPN-313	T26073	313	158.6	0.110	2.8	2.050	52.1	0.05	0.2	0.09	0.3	270	886	298	321	344	442	4,180	6,220
TPN-373	T26074	373	189.3	0.110	2.8	2.180	55.4	0.04	0.1	0.09	0.3	292	958	333	361	387	492	4,780	7,115
TPN-444	T26075	444	225.1	0.110	2.8	2.330	59.2	0.04	0.1	0.09	0.3	318	1,043	371	411	440	549	5,680	8,455
TPN-535	T26076	535	271.2	0.110	2.8	2.540	64.5	0.04	0.1	0.09	0.3	291	954	417	443	475	608	6,690	9,955
TPN-646	T26077	646	327.5	0.140	3.6	2.810	71.4	0.04	0.1	0.09	0.3	314	1,030	469	516	553	678	8,215	12,225
TPN-777	T26078	777	393.8	0.140	3.6	3.070	78.0	0.03	0.1	0.09	0.3	345	1,132	528	562	602	750	9,720	14,465

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.



Prysmian North America

1610 Greens Road, Suite 300
Houston, TX 77032

+1.281.209.1070 | +1.888.354.2225

ogp@prysmian.com

na.prysmian.com

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

Three conductor / **unarmored**

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

				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)		
TPN-8	026061	0.640	16.3	424UB-03	494AB-55	494NE-10/ 14	01 = 1/2"	03 = 1/2" - 14 NPT
TPN-6	026062	0.770	19.6	424UB-04	494AB-55/ 56	494NE-10/ 14/ 15/ 20	02 = 1/2"	04 = 1/2" - 14 NPT
TPN-5	026063	0.890	22.6	424UB-04	494AB-56	494NE-15/ 20	03 = 3/4"	05 = 1/2" - 14 NPT
TPN-4	026064	0.930	23.6	424UB-04	494AB-56	494NE-15/ 20	04 = 1"	08 = 3/4" - 14 NPT
TPN-3	026065	1.010	25.7	424UB-04/ 05/ 15	494AB-56/ 57	494NE-15/ 20/ 21/ 27	05 = 1-1/4"	10 = 3/4" - 14 NPT
TPN-2	026066	1.070	27.2	424UB-05/ 15	494AB-56/ 57	494NE-15/ 20/ 21/ 27	15 = 1-1/2"	14 = 1" - 11-1/2 NPT
TPN-1	026067	1.220	31.0	424UB-05/ 15/ 06	494AB-57	494NE-21/ 27	06 = 2"	15 = 1" - 11-1/2 NPT
TPN-1/0	026068	1.300	33.0	424UB-06	494AB-57/ 59	494NE-21/ 27/ 32	07 = 2-1/2"	20 = 1-1/4" - 11-1/2 NPT
TPN-2/0	026069	1.390	35.3	424UB-06	494AB-59	494NE-32	08 = 3"	21 = 1-1/4" - 11-1/2 NPT
TPN-3/0	026070	1.550	39.4	424UB-06	494AB-59	494NE-32	09 = 3-1/2"	27 = 1-1/2" - 11-1/2 NPT
TPN-4/0	026071	1.720	43.7	424UB-07	494AB-61	494NE-38		32 = 2" - 11-1/2 NPT
TPN-262	026072	1.870	47.5	424UB-07	494AB-61	494NE-38		38 = 2-1/2" - 8 NPT
TPN-313	026073	2.050	52.1	424UB-07/ 08	494AB-61	494NE-38		44 = 3" - 8 NPT
TPN-373	026074	2.180	55.4	424UB-08/ 09	494AB-62/ 63	494NE-44/ 45		45 = 3" - 8 NPT
TPN-444	026075	2.330	59.2	424UB-08/ 09	494AB-63	494NE-45		
TPN-535	026076	2.540	64.5	424UB-09	494AB-63	494NE-45		
TPN-646	026077	2.810	71.4	424UB-09	***	***		
TPN-777	026078	3.070	78.0	***	***	***		



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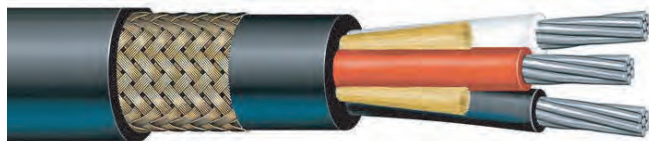
1610 Greens Road, Suite 300
Houston, TX 77032

+1.281.209.1070 | +1.888.354.2225
ogp@prysmian.com
na.prysmian.com

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

Three 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 & 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 North America

1610 Greens Road, Suite 300
 Houston, TX 77032

+1.281.209.1070 | +1.888.354.2225
 ogp@prysmian.com
 na.prysmian.com

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

Three conductor / **armored and sheathed**

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

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
TPNBS-8	T26126	8	7.57	0.060	1.5	0.810	20.6	0.70	2.3	0.12	0.4	95	312	47	52	56	63	510	760
TPNBS-6	T26127	6	12.5	0.080	2.0	0.990	25.1	0.46	1.5	0.11	0.4	126	413	63	70	75	91	735	1,095
TPNBS-5	T26128	5	18.6	0.080	2.0	1.120	28.4	0.33	1.1	0.11	0.4	140	459	78	82	88	120	900	1,340
TPNBS-4	T26129	4	21.5	0.080	2.0	1.150	29.2	0.29	1.0	0.10	0.3	153	502	86	92	99	126	1,045	1,555
TPNBS-3	T26130	3	25.6	0.080	2.0	1.230	31.2	0.23	0.8	0.10	0.3	173	567	99	108	116	148	1,225	1,825
TPNBS-2	T26131	2	30.7	0.080	2.0	1.300	33.0	0.18	0.6	0.10	0.3	187	613	111	122	131	161	1,385	2,060
TPNBS-1	T26132	1	46.1	0.080	2.0	1.450	36.8	0.14	0.5	0.09	0.3	178	584	137	143	153	202	1,780	2,650
TPNBS-1/0	T26133	1/0	56.3	0.080	2.0	1.540	39.1	0.12	0.4	0.09	0.3	190	623	156	164	176	229	2,115	3,145
TPNBS-2/0	T26134	2/0	66.5	0.080	2.0	1.610	40.9	0.09	0.3	0.09	0.3	212	695	175	188	201	254	2,395	3,565
TPNBS-3/0	T26135	3/0	92.1	0.110	2.8	1.830	46.5	0.08	0.3	0.09	0.3	245	804	213	218	234	313	3,145	4,680
TPNBS-4/0	T26136	4/0	112.6	0.110	2.8	2.000	50.8	0.07	0.2	0.09	0.3	259	850	241	252	270	354	3,870	5,760
TPNBS-262	T26137	262	133.0	0.110	2.8	2.160	54.9	0.06	0.2	0.09	0.3	247	810	267	294	315	395	4,440	6,605
TPNBS-313	T26138	313	158.6	0.110	2.8	2.340	59.4	0.05	0.2	0.09	0.3	270	886	298	321	344	442	5,185	7,715
TPNBS-373	T26139	373	189.3	0.110	2.8	2.460	62.5	0.04	0.1	0.09	0.3	292	958	333	361	387	492	5,860	8,720
TPNBS-444	T26140	444	225.1	0.110	2.8	2.620	66.5	0.04	0.1	0.09	0.3	318	1,043	371	411	440	549	6,815	10,140
TPNBS-535	T26141	535	271.2	0.140	3.6	2.880	73.2	0.04	0.1	0.09	0.3	291	954	417	443	475	608	8,070	12,010
TPNBS-646	T26142	646	327.5	0.140	3.6	3.200	81.3	0.04	0.1	0.09	0.3	314	1,030	469	516	553	678	9,765	14,530
TPNBS-777	T26143	777	393.8	0.140	3.6	3.450	87.6	0.03	0.1	0.09	0.3	345	1,132	528	562	602	750	11,415	16,985

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.



Prysmian North America

1610 Greens Road, Suite 300
Houston, TX 77032

+1.281.209.1070 | +1.888.354.2225

ogp@prysmian.com

na.prysmian.com

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

Three conductor / **armored and sheathed**

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

				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)		
TPNBS-8	T26126	0.810	20.6	424AN-03/ 12	474SW-55	474NP-10/ 14	01 = 1/2"	03 = 1/2" - 14 NPT
TPNBS-6	T26127	0.990	25.1	424AN-04/ 15	474SW-55	474NP-10/ 14	02 = 3/4"	04 = 1/2" - 14 NPT
TPNBS-5	T26128	1.120	28.4	424AN-04/ 15	474SW-56	474NP-15/ 20	03 = 1"	07 = 3/4" - 14 NPT
TPNBS-4	T26129	1.150	29.2	424AN-04/ 15	474SW-56	474NP-15/ 20	04 = 1-1/4"	05 = 1/2" - 14 NPT
TPNBS-3	T26130	1.230	31.2	424AN-05	474SW-56	474NP-15/ 20	05 = 1-1/2"	08 = 3/4" - 14 NPT
TPNBS-2	T26131	1.300	33.0	424AN-05	474SW-56	474NP-15/ 20	06 = 2"	10 = 3/4" - 14 NPT
TPNBS-1	T26132	1.450	36.8	424AN-05/ 06	474SW-57	474NP-21/ 27	07 = 2-1/2"	14 = 1" - 11-1/2 NPT
TPNBS-1/0	T26133	1.540	39.1	424AN-06	474SW-58	474NP-28/ 31	08 = 3"	15 = 1" - 11-1/2 NPT
TPNBS-2/0	T26134	1.610	40.9	424AN-06	474SW-58	474NP-28/ 31	09 = 3-1/2"	20 = 1-1/4" - 11-1/2 NPT
TPNBS-3/0	T26135	1.830	46.5	424AN-07	474SW-59	474NP-32	10 = 1/2"	21 = 1-1/4" - 11-1/2 NPT
TPNBS-4/0	T26136	2.000	50.8	424AN-07	474SW-60	474NP-33	12 = 3/4"	27 = 1-1/2" - 11-1/2 NPT
TPNBS-262	T26137	2.160	54.9	424AN-07	474SW-60	474NP-33	15 = 1"	28 = 1-1/2" - 11-1/2 NPT
TPNBS-313	T26138	2.340	59.4	424AN-07	474SW-61	474NP-38		31 = 2" - 11-1/2 NPT
TPNBS-373	T26139	2.460	62.5	424AN-08	474SW-62	474NP-39		32 = 2" - 11-1/2 NPT
TPNBS-444	T26140	2.620	66.5	424AN-08	474SW-62	474NP-39		33 = 2" - 11-1/2 NPT
TPNBS-535	T26141	2.880	73.2	424AN-09	474SW-63	474NP-45		38 = 2-1/2" - 8 NPT
TPNBS-646	T26142	3.200	81.3	424AN-09	474SW-64	474NP-47		39 = 2-1/2" - 8 NPT
TPNBS-777	T26143	3.450	87.6	***	474SW-64	474NP-47		45 = 3" - 8 NPT
								47 = 3" - 8 NPT



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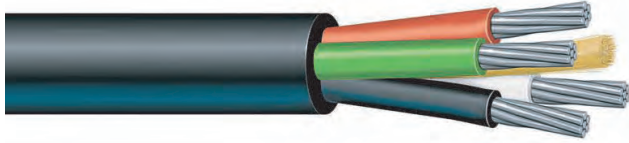
1610 Greens Road, Suite 300
Houston, TX 77032

+1.281.209.1070 | +1.888.354.2225
ogp@prysmian.com
na.prysmian.com

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

Four conductor / **unarmored**

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 & 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, mud, 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
- Unarmored cables suitable for Class 1, Division 2 and Zone 2 hazardous locations offshore
- Meets the requirements of UL 1277 and UL 1569 for Type TC-ER exposed runs

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
 CSA 22.2 No. 230- Type TC-ER
 CSA 22.2 No. 230 & No. 38 Direct Burial (#14 AWG & larger)
 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) 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 North America

1610 Greens Road, Suite 300
 Houston, TX 77032

+1.281.209.1070 | +1.888.354.2225
 ogp@prysmian.com
 na.prysmian.com

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

Four conductor / **unarmored**

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

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
FPN-8	T26079	8	7.57	0.060	1.5	0.690	17.5	0.70	2.3	0.12	0.4	95	312	47	52	56	63	375	560
FPN-6	T26080	6	12.5	0.080	2.0	0.890	22.6	0.46	1.5	0.11	0.4	126	413	63	70	75	91	590	750
FPN-5	T26081	5	18.6	0.080	2.0	0.960	24.4	0.33	1.1	0.11	0.4	140	459	78	82	88	120	750	1,120
FPN-4	T26082	4	21.5	0.080	2.0	1.020	25.9	0.29	1.0	0.10	0.3	153	502	86	92	99	126	870	1,300
FPN-3	T26083	3	25.6	0.080	2.0	1.110	28.2	0.23	0.8	0.10	0.3	173	567	99	108	116	148	1,070	1,600
FPN-2	T26084	2	30.7	0.080	2.0	1.190	30.2	0.18	0.6	0.10	0.3	187	613	111	122	131	161	1,260	1,880
FPN-1	T26085	1	46.1	0.080	2.0	1.360	34.5	0.14	0.5	0.09	0.3	178	584	137	143	153	202	1,640	2,440
FPN-1/0	T26086	1/0	56.3	0.080	2.0	1.440	36.6	0.12	0.4	0.09	0.3	190	623	156	164	176	229	1,955	2,910
FPN-2/0	T26087	2/0	66.5	0.080	2.0	1.540	39.1	0.09	0.3	0.09	0.3	212	695	175	188	201	254	2,345	3,490
FPN-3/0	T26088	3/0	92.1	0.110	2.8	1.840	46.7	0.08	0.3	0.09	0.3	245	804	213	218	234	313	3,265	4,870
FPN-4/0	T26089	4/0	112.6	0.110	2.8	1.910	48.5	0.07	0.2	0.09	0.3	259	850	241	252	270	354	3,905	5,820
FPN-262	T26090	262	133.0	0.110	2.8	2.070	52.6	0.06	0.2	0.09	0.3	247	810	267	294	315	395	4,605	6,860
FPN-313	T26091	313	158.6	0.110	2.8	2.300	58.4	0.05	0.2	0.09	0.3	270	886	298	321	344	442	5,465	8,140
FPN-373	T26092	373	189.3	0.110	2.8	2.420	61.5	0.04	0.1	0.09	0.3	292	958	333	361	387	492	6,235	9,290
FPN-444	T26093	444	225.1	0.110	2.8	2.580	65.5	0.04	0.1	0.09	0.3	318	1,043	371	411	440	549	7,400	11,030
FPN-535	T26094	535	271.2	0.140	3.6	2.940	74.7	0.04	0.1	0.09	0.3	291	954	417	443	475	608	8,960	13,350
FPN-646	T26095	646	327.5	0.140	3.6	3.120	79.2	0.04	0.1	0.09	0.3	314	1,030	469	516	553	678	10,720	15,970
FPN-777	T26096	777	393.8	0.140	3.6	3.410	86.6	0.03	0.1	0.09	0.3	345	1,132	528	562	602	750	12,585	18,752

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 Table 25 - 110°C values based on API 14F.

The ampacity of 4 conductor cables is based on three current carrying conductors and the fourth conductor being used as a Neutral or Grounding conductor. If all conductors are current carrying, the ampacity must be reduced by 0.8.

*125°C ampacities based on 45°C ambient in free air. Consult factory for conditions of use.



Prysmian North America

1610 Greens Road, Suite 300
Houston, TX 77032

+1.281.209.1070 | +1.888.354.2225
ogp@prysmian.com
na.prysmian.com

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

Four conductor / **unarmored**

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

				GLAND SELECTION			GLAND REFERENCE CHART	
Type Designation	Draka Number	Cable Diameter (nominal)		Explosion Proof: Unarmored	Non-Explosion Proof: Unarmored	Non-Explosion Proof: Unarmored	Explosion Proof: (Unarmored) Hub Size Reference	Non-Explosion Proof: (Unarmored) - NPT Thread Size Reference
		in	mm		(metric)	(NPT)		
FPN-8	T26079	0.690	17.5	424UB-03/ 04	494AB-55	494NE-10/ 14	01 = 1/2"	03 = 1/2" - 14 NPT
FPN-6	T26080	0.890	22.6	424UB-04	494AB-56	494NE-15/ 20	02 = 1/2"	04 = 1/2" - 14 NPT
FPN-5	T26081	0.960	24.4	424UB-04/ 05/ 15	494AB-56/ 57	494NE-15/ 20/ 21/ 27	03 = 3/4"	05 = 1/2" - 14 NPT
FPN-4	T26082	1.020	25.9	424UB-04/ 05/ 15	494AB-56/ 57	494NE-15/ 20/ 21/ 27	04 = 1"	08 = 3/4" - 14 NPT
FPN-3	T26083	1.110	28.2	424UB-05/15	494AB-57	494NE-21/ 27	05 = 1-1/4"	10 = 3/4" - 14 NPT
FPN-2	T26084	1.190	30.2	424UB-05/ 15/ 06	494AB-57	494NE-21/ 27	15 = 1-1/2"	14 = 1" - 11-1/2 NPT
FPN-1	T26085	1.360	34.5	424UB-06	494AB-59	494NE-32	06 = 2"	15 = 1" - 11-1/2 NPT
FPN-1/0	T26086	1.440	36.6	424UB-06	494AB-59	494NE-32	07 = 2-1/2"	20 = 1-1/4" - 11-1/2 NPT
FPN-2/0	T26087	1.540	39.1	424UB-06	494AB-59	494NE-32	08 = 3"	21 = 1-1/4" - 11-1/2 NPT
FPN-3/0	T26088	1.840	46.7	424UB-07	494AB-61	494NE-38	09 = 3-1/2"	27 = 1-1/2" - 11-1/2 NPT
FPN-4/0	T26089	1.910	48.5	424UB-07	494AB-61	494NE-38		32 = 2" - 11-1/2 NPT
FPN-262	T26090	2.070	52.6	424UB-07/ 08	494AB-62	494NE-44		38 = 2-1/2" - 8 NPT
FPN-313	T26091	2.300	58.4	424UB-08/ 09	494AB-63	494NE-45		44 = 3" - 8 NPT
FPN-373	T26092	2.420	61.5	424UB-08/ 09	494AB-63	494NE-45		45 = 3" - 8 NPT
FPN-444	T26093	2.580	65.5	424UB-09	***	***		
FPN-535	T26094	2.940	74.7	***	***	***		
FPN-646	T26095	3.120	79.2	***	***	***		
FPN-777	T26096	3.410	86.6	***	***	***		



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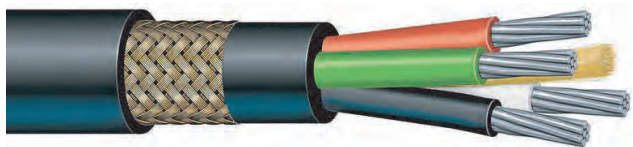
1610 Greens Road, Suite 300
Houston, TX 77032

+1.281.209.1070 | +1.888.354.2225
ogp@prysmian.com
na.prysmian.com

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

Four 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 & 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.

SEATH: 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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Houston, TX 77032

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

Four conductor / **armored and sheathed**

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

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
FPNBS-8	T26144	8	7.57	0.080	2.0	0.910	23.1	0.70	2.3	0.13	0.4	95	312	47	52	56	63	645	960
FPNBS-6	T26145	6	12.5	0.080	2.0	1.110	28.2	0.46	1.5	0.12	0.4	126	413	63	70	75	91	940	1,400
FPNBS-5	T26146	5	18.6	0.080	2.0	1.180	30.0	0.33	1.1	0.11	0.4	140	459	78	82	88	120	1,125	1,675
FPNBS-4	T26147	4	21.5	0.080	2.0	1.240	31.5	0.29	1.0	0.11	0.4	153	502	86	92	99	126	1,225	1,825
FPNBS-3	T26148	3	25.6	0.080	2.0	1.340	34.0	0.23	0.8	0.11	0.4	173	567	99	108	116	148	1,525	2,270
FPNBS-2	T26149	2	30.7	0.080	2.0	1.410	35.8	0.18	0.6	0.10	0.3	187	613	111	122	131	161	1,730	2,575
FPNBS-1	T26150	1	46.1	0.080	2.0	1.580	40.1	0.14	0.5	0.10	0.3	178	584	137	143	153	202	2,205	3,280
FPNBS-1/0	T26151	1/0	56.3	0.110	2.8	1.720	43.7	0.12	0.4	0.10	0.3	190	623	156	164	176	229	2,660	3,960
FPNBS-2/0	T26152	2/0	66.5	0.110	2.8	1.820	46.2	0.09	0.3	0.10	0.3	212	695	175	188	201	254	3,090	4,600
FPNBS-3/0	T26153	3/0	92.1	0.110	2.8	2.100	53.3	0.08	0.3	0.10	0.3	245	804	213	218	234	313	4,150	6,175
FPNBS-4/0	T26154	4/0	112.6	0.110	2.8	2.190	55.6	0.07	0.2	0.09	0.3	259	850	241	252	270	354	4,845	7,210
FPNBS-262	T26155	262	133.0	0.110	2.8	2.340	59.4	0.06	0.2	0.09	0.3	247	810	267	294	315	395	5,275	7,850
FPNBS-313	T26156	313	158.6	0.110	2.8	2.600	66.0	0.05	0.2	0.09	0.3	270	886	298	321	344	442	6,640	9,880
FPNBS-373	T26157	373	189.3	0.110	2.8	2.700	68.6	0.04	0.1	0.09	0.3	292	958	333	361	387	492	7,410	11,025
FPNBS-444	T26158	444	225.1	0.140	3.6	2.920	74.2	0.04	0.1	0.09	0.3	318	1,043	371	411	440	549	8,835	13,150
FPNBS-535	T26159	535	271.2	0.140	3.6	3.320	84.3	0.04	0.1	0.09	0.3	291	954	417	443	475	608	10,690	15,910
FPNBS-646	T26160	646	327.5	0.140	3.6	3.470	88.1	0.04	0.1	0.09	0.3	314	1,030	469	516	553	678	12,430	18,500
FPNBS-777	T26161	777	393.8	0.140	3.6	3.760	95.5	0.04	0.1	0.09	0.3	345	1,132	528	562	602	750	14,355	21,365

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 Table 25 - 110°C values based on API 14F.

The ampacity of 4 conductor cables is based on three current carrying conductors and the fourth conductor being used as a Neutral or Grounding conductor. If all conductors are current carrying, the ampacity must be reduced by 0.8.

*125°C ampacities based on 45°C ambient in free air. Consult factory for conditions of use.



Prysmian North America

1610 Greens Road, Suite 300
Houston, TX 77032

+1.281.209.1070 | +1.888.354.2225
ogp@prysmian.com
na.prysmian.com

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

Four conductor / **armored and sheathed**

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

				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)		
FPNBS-8	T26144	0.910	23.1	424AN-03/ 04/ 12/ 15	474SW-55	474NP-10/ 14	01 = 1/2"	03 = 1/2" - 14 NPT
FPNBS-6	T26145	1.110	28.2	424AN-04/ 15	474SW-56	474NP-15/ 20	02 = 3/4"	04 = 1/2" - 14 NPT
FPNBS-5	T26146	1.180	30.0	424AN-05	474SW-56	474NP-15/ 20	03 = 1"	07 = 3/4" - 14 NPT
FPNBS-4	T26147	1.240	31.5	424AN-05	474SW-56	474NP-15/ 20	04 = 1-1/4"	05 = 1/2" - 14 NPT
FPNBS-3	T26148	1.340	34.0	424AN-05	474SW-57	474NP-21/ 27	05 = 1-1/2"	08 = 3/4" - 14 NPT
FPNBS-2	T26149	1.410	35.8	424AN-05	474SW-57	474NP-21/ 27	06 = 2"	10 = 3/4" - 14 NPT
FPNBS-1	T26150	1.580	40.1	424AN-06	474SW-58	474NP-28/ 31	07 = 2-1/2"	14 = 1" - 11-1/2 NPT
FPNBS-1/0	T26151	1.720	43.7	424AN-06	474SW-59	474NP-32	08 = 3"	15 = 1" - 11-1/2 NPT
FPNBS-2/0	T26152	1.820	46.2	424AN-06	474SW-59	474NP-32	09 = 3-1/2"	20 = 1-1/4" - 11-1/2 NPT
FPNBS-3/0	T26153	2.100	53.3	424AN-07	474SW-60	474NP-33	10 = 1/2"	21 = 1-1/4" - 11-1/2 NPT
FPNBS-4/0	T26154	2.190	55.6	424AN-07	474SW-61	474NP-38	12 = 3/4"	27 = 1-1/2" - 11-1/2 NPT
FPNBS-262	T26155	2.340	59.4	424AN-08	474SW-61	474NP-38	15 = 1"	28 = 1-1/2" - 11-1/2 NPT
FPNBS-313	T26156	2.600	66.0	424AN-08	474SW-62	474NP-39		31 = 2" - 11-1/2 NPT
FPNBS-373	T26157	2.700	68.6	424AN-08/ 09	474SW-63	474NP-45		32 = 2" - 11-1/2 NPT
FPNBS-444	T26158	2.920	74.2	424AN-09	474SW-64	474NP-47		33 = 2" - 11-1/2 NPT
FPNBS-535	T26159	3.320	84.3	***	***	***		38 = 2-1/2" - 8 NPT
FPNBS-646	T26160	3.470	88.1	***	***	***		39 = 2-1/2" - 8 NPT
FPNBS-777	T26161	3.760	95.5	***	***	***		45 = 3" - 8 NPT
								47 = 3" - 8 NPT



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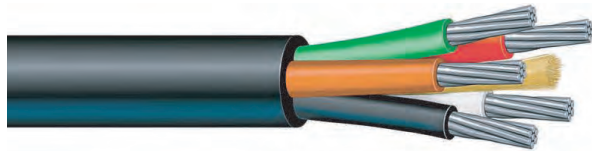
1610 Greens Road, Suite 300
Houston, TX 77032

+1.281.209.1070 | +1.888.354.2225
ogp@prysmian.com
na.prysmian.com

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

Five conductor / **unarmored**

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
- Unarmored cables suitable for Class 1, Division 2 and Zone 2 hazardous locations offshore
- Meets the requirements of UL 1277 and UL 1569 for Type TC-ER exposed runs

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
 CSA 22.2 No. 230- Type TC-ER
 CSA 22.2 No. 230 & No. 38 Direct Burial (#14 AWG & larger)
 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) 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 North America

1610 Greens Road, Suite 300
 Houston, TX 77032

+1.281.209.1070 | +1.888.354.2225
 ogp@prysmian.com
 na.prysmian.com

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

Five conductor / **unarmored**

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

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
QPN-8	T26097	8	7.57	0.060	1.5	0.760	19.3	0.70	2.3	0.12	0.4	95	312	38	42	45	50	460	685
QPN-6	T26098	6	12.5	0.080	2.0	0.980	24.9	0.46	1.5	0.11	0.4	126	413	50	56	60	73	725	1,080
QPN-5	T26099	5	18.6	0.080	2.0	1.080	27.4	0.33	1.1	0.11	0.4	140	459	62	66	70	96	950	1,415
QPN-4	T26100	4	21.5	0.080	2.0	1.120	28.4	0.29	1.0	0.10	0.3	153	502	69	74	79	101	1,075	1,600
QPN-3	T26101	3	25.6	0.080	2.0	1.200	30.5	0.23	0.8	0.10	0.3	173	567	79	86	93	118	1,260	1,875
QPN-2	T26102	2	30.7	0.080	2.0	1.270	32.3	0.18	0.6	0.10	0.3	187	613	89	98	105	129	1,530	2,275
QPN-1	T26103	1	46.1	0.080	2.0	1.510	38.4	0.14	0.5	0.09	0.3	178	584	110	114	122	162	2,040	3,035
QPN-1/0	T26104	1/0	56.3	0.080	2.0	1.650	41.9	0.12	0.4	0.09	0.3	190	623	125	131	141	183	2,455	3,655
QPN-2/0	T26105	2/0	66.5	0.110	2.8	1.790	45.5	0.09	0.3	0.09	0.3	212	695	140	150	161	203	2,695	4,010
QPN-3/0	T26106	3/0	92.1	0.110	2.8	2.060	52.3	0.08	0.3	0.09	0.3	245	804	170	174	187	250	3,995	5,945
QPN-4/0	T26107	4/0	112.6	0.110	2.8	2.200	55.9	0.07	0.2	0.09	0.3	259	850	193	202	216	283	4,785	7,120

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.



Prysmian North America

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Five conductor / **unarmored**

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

				GLAND SELECTION			GLAND REFERENCE CHART	
Type Designation	Draka Number	Cable Diameter (nominal)		Explosion Proof: Unarmored	Non-Explosion Proof: Unarmored	Non-Explosion Proof: Unarmored	Explosion Proof: (Unarmored) Hub Size Reference	Non-Explosion Proof: (Unarmored) - NPT Thread Size Reference
		in	mm		(metric)	(NPT)		
QPN-8	T26097	0.760	19.3	424UB-03/ 04	494AB-55/ 56	494NE-10/ 14/ 15/ 20	01 = 1/2"	03 = 1/2" - 14 NPT
QPN-6	T26098	0.980	24.9	424UB-04/ 05/ 15	494AB-56/ 57	494NE-15/ 20/ 21/ 27	02 = 1/2"	04 = 1/2" - 14 NPT
QPN-5	T26099	1.080	27.4	424UB-05/ 15	494AB-57	494NE-21/ 27	03 = 3/4"	05 = 1/2" - 14 NPT
QPN-4	T26100	1.120	28.4	424UB-05/ 15	494AB-57	494NE-21/ 27	04 = 1"	08 = 3/4" - 14 NPT
QPN-3	T26101	1.200	30.5	424UB-05/ 15/ 06	494AB-57	494NE-21/ 27	05 = 1-1/4"	10 = 3/4" - 14 NPT
QPN-2	T26102	1.270	32.3	424UB-06	494AB-57/ 59	494NE-21/ 27/ 32	15 = 1-1/2"	14 = 1" - 11-1/2 NPT
QPN-1	T26103	1.510	38.4	424UB-06	494AB-59	494NE-32	06 = 2"	15 = 1" - 11-1/2 NPT
QPN-1/0	T26104	1.650	41.9	424UB-06/ 07	494AB-61	494NE-38	07 = 2-1/2"	20 = 1-1/4" - 11-1/2 NPT
QPN-2/0	T26105	1.790	45.5	424UB-07	494AB-61	494NE-38	08 = 3"	21 = 1-1/4" - 11-1/2 NPT
QPN-3/0	T26106	2.060	52.3	424UB-07/ 08	494AB-61	494NE-38	09 = 3-1/2"	27 = 1-1/2" - 11-1/2 NPT
QPN-4/0	T26107	2.200	55.9	424UB-08/ 09	494AB-62/ 63	494NE-44/ 45		32 = 2" - 11-1/2 NPT
								38 = 2-1/2" - 8 NPT
								44 = 3" - 8 NPT
								45 = 3" - 8 NPT



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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 North America

1610 Greens Road, Suite 300
Houston, TX 77032

+1.281.209.1070 | +1.888.354.2225
ogp@prysmian.com
na.prysmian.com

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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
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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