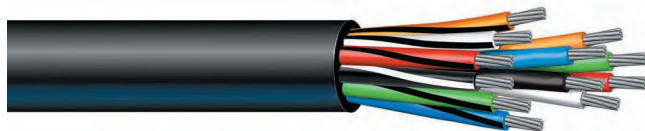


BOSTRIG™ TYPE P CONTROL CABLE 600V OR 0.6/1kV

Multi-conductor / **unarmored**

TYPE P CONTROL CABLE 600V or 0.6/1kV **12 & 10 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 use in Class I Division 2 and Zone 2 hazardous locations
- 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. 239- Type CIC
 CSA 22.2 No. 230- Type TC-ER
 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.

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 CONTROL CABLE 600V OR 0.6/1kV

Multi-conductor / **unarmored**

TYPE P CONTROL CABLE 600V or 0.6/1kV **12 & 10 AWG**

12 AWG • 3.08 mm²

Type Designation	Draka Number	Number of Conductor	Insulation Thickness		Sheath Thickness		Cable Diameter		Cable Weight	
			in	mm	in	mm	in	mm	Lbs/Mft	Kg/Km
C12PN-2	026224	2	0.030	0.76	0.060	1.5	0.430	10.9	110	165
C12PN-3	026225	3	0.030	0.76	0.060	1.5	0.450	11.4	140	210
C12PN-4	026226	4	0.030	0.76	0.060	1.5	0.490	12.4	175	260
C12PN-5	026227	5	0.030	0.76	0.060	1.5	0.540	13.7	210	315
C12PN-6	026228	6	0.030	0.76	0.060	1.5	0.580	14.7	250	370
C12PN-7	026229	7	0.030	0.76	0.060	1.5	0.580	14.7	275	410
C12PN-8	026230	8	0.030	0.76	0.060	1.5	0.620	15.7	320	475
C12PN-10	026231	10	0.030	0.76	0.060	1.5	0.740	18.8	390	580
C12PN-12	026232	12	0.030	0.76	0.060	1.5	0.760	19.3	445	660
C12PN-16	026233	16	0.030	0.76	0.080	2.0	0.890	22.6	615	915
C12PN-20	026234	20	0.030	0.76	0.080	2.0	0.970	24.6	755	1,125
C12PN-24	026235	24	0.030	0.76	0.080	2.0	1.080	27.4	890	1,325
C12PN-30	026236	30	0.030	0.76	0.080	2.0	1.150	29.2	1,070	1,590
C12PN-37	026237	37	0.030	0.76	0.080	2.0	1.240	31.5	1,295	1,925
C12PN-44	026238	44	0.030	0.76	0.080	2.0	1.400	35.6	1,540	2,290
C12PN-60	026239	60	0.030	0.76	0.080	2.0	1.550	39.4	2,035	3,030
C12PN-91	026240	91	0.030	0.76	0.110	2.8	1.920	48.8	3,130	4,660

10 AWG • 5.53 mm²

Type Designation	Draka Number	Number of Conductor	Insulation Thickness		Sheath Thickness		Cable Diameter		Cable Weight	
			in	mm	in	mm	in	mm	Lbs/Mft	Kg/Km
C10PN-2	026241	2	0.030	0.76	0.060	1.5	0.490	12.4	150	225
C10PN-3	026242	3	0.030	0.76	0.060	1.5	0.510	13.0	200	300
C10PN-4	026243	4	0.030	0.76	0.060	1.5	0.560	14.2	250	370
C10PN-5	026244	5	0.030	0.76	0.060	1.5	0.620	15.7	300	445
C10PN-6	026245	6	0.030	0.76	0.060	1.5	0.680	17.3	350	520
C10PN-7	026246	7	0.030	0.76	0.060	1.5	0.680	17.3	390	580
C10PN-8	026247	8	0.030	0.76	0.060	1.5	0.730	18.5	445	660
C10PN-10	026248	10	0.030	0.76	0.080	2.0	0.900	22.9	600	895

The current limit on these cables should be for providing control functions through relays and switching devices. The maximum current for any one conductor should not exceed the value Table 3 for three conductor cables. The average of all conductors should not exceed the limit based on the total number of conductors in the cable taken from Table 4 multiplied by the ampacity from Table 3. Three conductor or four conductor cables with three current carrying conductors may be used for continuous power.

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.

TABLE 3

Three Conductor Cable, Four Conductor Cables with Three Current Carrying Conductors 45°C Ambient

Conductor Size			95°C	100°C	110°C	125°C*
Gauge	CMA	mm ²				
12	6,503	3.30	26	31	33	33
10	10,908	5.53	37	41	44	44

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

TABLE 4

Cables with more than Four Current Carrying Conductors

Number of Conductors	% of 3 Conductor Ampacity Values
4-6	80
7-9	70
10-20	50
21-30	45
31-40	40
41-60	35
61 and greater	30

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

Multi-conductor / **unarmored**

TYPE P CONTROL CABLE 600V or 0.6/1kV **12 & 10 AWG**

12 AWG • 3.08 mm²

				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)		
C12PN-2	026224	0.430	10.9	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08	01 = 1/2"	03 = 1/2" - 14 NPT
C12PN-3	026225	0.450	11.4	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08	02 = 1/2"	04 = 1/2" - 14 NPT
C12PN-4	026226	0.490	12.4	424UB-02	494AB-53/ 55	494NE-05/ 08/ 10/ 14	03 = 3/4"	05 = 1/2" - 14 NPT
C12PN-5	026227	0.540	13.7	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	04 = 1"	08 = 3/4" - 14 NPT
C12PN-6	026228	0.580	14.7	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	05 = 1-1/4"	10 = 3/4" - 14 NPT
C12PN-7	026229	0.580	14.7	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	15 = 1-1/2"	14 = 1" - 11-1/2 NPT
C12PN-8	026230	0.620	15.7	424UB-03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	06 = 2"	15 = 1" - 11-1/2 NPT
C12PN-10	026231	0.740	18.8	424UB-03/ 04	494AB-55/ 56	494NE-10/ 14/ 15/ 20	07 = 2-1/2"	20 = 1 1/4" - 11-1/2 NPT
C12PN-12	026232	0.760	19.3	424UB-04	494AB-55/ 56	494NE-10/ 14/ 15/ 20	08 = 3"	21 = 1 1/4" - 11-1/2 NPT
C12PN-16	026233	0.890	22.6	424UB-04	494AB-56	494NE-15/ 20	09 = 3-1/2"	27 = 1 1/2" - 11-1/2 NPT
C12PN-20	026234	0.970	24.6	424UB-04/ 05/ 15	494AB-56/ 57	494NE-15/ 20/ 21/ 27		32 = 2" - 11-1/2 NPT
C12PN-24	026235	1.080	27.4	424UB-05/ 15	494AB-57	494NE-21/ 27		38 = 2 1/2" - 8 NPT
C12PN-30	026236	1.150	29.2	424UB-05 /15/ 06	494AB-57	494NE-21/ 27		44 = 3" - 8 NPT
C12PN-37	026237	1.240	31.5	424UB-05/ 15/ 06	494AB-57/ 59	494NE-21/ 27/ 32		45 = 3" - 8 NPT
C12PN-44	026238	1.400	35.6	424UB-06	494AB-59	494NE-32		
C12PN-60	026239	1.550	39.4	424UB-06	494AB-59	494NE-32		
C12PN-91	026240	1.920	48.8	424UB-07	494AB-61	494NE-38		

10 AWG • 5.53 mm²

				GLAND SELECTION		
Type Designation	Draka Number	Cable Diameter (nominal)		Explosion Proof: Unarmored	Non-Explosion Proof: Unarmored	Non-Explosion Proof: Unarmored
		in	mm		(metric)	(NPT)
C10PN-2	026241	0.490	12.4	424UB-02	494AB-53/ 55	494NE-05/ 08/ 10/ 14
C10PN-3	026242	0.510	13.0	424UB-02	494AB-53/ 55	494NE-05/ 08/ 10/ 14
C10PN-4	026243	0.560	14.2	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14
C10PN-5	026244	0.620	15.7	424UB-03	494AB-53/ 55	494NE-05/ 08/ 10/ 14
C10PN-6	026245	0.680	17.3	424UB-03/ 04	494AB-55	494NE-10/ 14
C10PN-7	026246	0.680	17.3	424UB-03/ 04	494AB-55	494NE-10/ 14
C10PN-8	026247	0.730	18.5	424UB-03/ 04	494AB-55	494NE-10/ 14
C10PN-10	026248	0.900	22.9	424UB-04	494AB-56	494NE-15/ 20



Prysmian North America

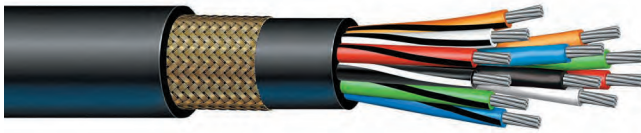
1610 Greens Road, Suite 300
Houston, TX 77032

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

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

Multi-conductor / **armored and sheathed**

TYPE P CONTROL CABLE 600V or 0.6/1kV **12 & 10 AWG**



Applications

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

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.

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 CONTROL CABLE 600V OR 0.6/1kV

Multi-conductor / **armored and sheathed**

TYPE P CONTROL CABLE 600V or 0.6/1kV **12 & 10 AWG**

12 AWG • 3.08 mm²

Type Designation	Draka Number	Number of Conductor	Insulation Thickness		Sheath Thickness		Cable Diameter		Cable Weight	
			in	mm	in	mm	in	mm	Lbs/Mft	Kg/Km
C12PNBS-2	T26300	2	0.030	0.76	0.060	1.5	0.610	15.5	260	385
C12PNBS-3	T26301	3	0.030	0.76	0.060	1.5	0.640	16.3	295	440
C12PNBS-4	T26302	4	0.030	0.76	0.060	1.5	0.680	17.3	340	505
C12PNBS-5	T26303	5	0.030	0.76	0.060	1.5	0.710	18.0	370	550
C12PNBS-6	T26304	6	0.030	0.76	0.060	1.5	0.770	19.6	445	660
C12PNBS-7	T26305	7	0.030	0.76	0.060	1.5	0.770	19.6	460	685
C12PNBS-8	T26306	8	0.030	0.76	0.060	1.5	0.800	20.3	485	720
C12PNBS-10	T26307	10	0.030	0.76	0.080	2.0	0.960	24.4	675	1,005
C12PNBS-12	T26308	12	0.030	0.76	0.080	2.0	0.970	24.6	720	1,070
C12PNBS-16	T26309	16	0.030	0.76	0.080	2.0	1.110	28.2	955	1,420
C12PNBS-20	T26310	20	0.030	0.76	0.080	2.0	1.190	30.2	1,135	1,690
C12PNBS-24	T26311	24	0.030	0.76	0.080	2.0	1.310	33.3	1,310	1,950
C12PNBS-30	T26312	30	0.030	0.76	0.080	2.0	1.330	33.8	1,495	2,225
C12PNBS-37	T26313	37	0.030	0.76	0.080	2.0	1.460	37.1	1,765	2,625
C12PNBS-44	T26314	44	0.030	0.76	0.080	2.0	1.620	41.1	2,100	3,125
C12PNBS-60	T26315	60	0.030	0.76	0.110	2.8	1.830	46.5	2,770	4,120
C12PNBS-91	T26316	91	0.030	0.76	0.110	2.8	2.200	55.9	4,045	6,020

10 AWG • 5.53 mm²

Type Designation	Draka Number	Number of Conductor	Insulation Thickness		Sheath Thickness		Cable Diameter		Cable Weight	
			in	mm	in	mm	in	mm	Lbs/Mft	Kg/Km
C10PNBS-2	T26317	2	0.030	0.76	0.060	1.5	0.680	17.3	320	475
C10PNBS-3	T26318	3	0.030	0.76	0.060	1.5	0.700	17.8	375	560
C10PNBS-4	T26319	4	0.030	0.76	0.060	1.5	0.750	19.1	440	655
C10PNBS-5	T26320	5	0.030	0.76	0.060	1.5	0.800	20.3	510	760
C10PNBS-6	T26321	6	0.030	0.76	0.080	2.0	0.900	22.9	600	895
C10PNBS-7	T26322	7	0.030	0.76	0.080	2.0	0.900	22.9	635	945
C10PNBS-8	T26323	8	0.030	0.76	0.080	2.0	0.950	24.1	710	1,055
C10PNBS-10	T26324	10	0.030	0.76	0.080	2.0	1.120	28.4	950	1,415

The current limit on these cables should be for providing control functions through relays and switching devices. The maximum current for any one conductor should not exceed the value Table 3 for three conductor cables. The average of all conductors should not exceed the limit based on the total number of conductors in the cable taken from Table 4 multiplied by the ampacity from Table 3. Three conductor or four conductor cables with three current carrying conductors may be used for continuous power.

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.

TABLE 3

Three Conductor Cable, Four Conductor Cables with Three Current Carrying Conductors 45°C Ambient

Conductor Size			95°C	100°C	110°C	125°C*
Gauge	CMA	mm ²				
12	6,503	3.30	26	31	33	37
10	10,908	5.53	37	41	44	49

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

TABLE 4

Cables with more than Four Current Carrying Conductors

Number of Conductors	% of 3 Conductor Ampacity Values
4-6	80
7-9	70
10-20	50
21-30	45
31-40	40
41-60	35
61 and greater	30

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

Multi-conductor / **armored and sheathed**

TYPE P CONTROL CABLE 600V or 0.6/1kV **12 & 10 AWG**

12 AWG • 3.08 mm²

				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)		
C12PNBS-2	T26300	0.610	15.5	424AN-02/ 10	474SW-52	474NP-04/ 07	01 = 1/2"	03 = 1/2" - 14 NPT
C12PNBS-3	T26301	0.640	16.3	424AN-02/ 10	474SW-53	474NP-05/ 08	02 = 3/4"	04 = 1/2" - 14 NPT
C12PNBS-4	T26302	0.680	17.3	424AN-02/ 03/ 10/ 12	474SW-53	474NP-05/ 08	03 = 1"	07 = 3/4" - 14 NPT
C12PNBS-5	T26303	0.710	18.0	424AN-02/ 03/ 10/ 12	474SW-53	474NP-05/ 08	04 = 1-1/4"	05 = 1/2" - 14 NPT
C12PNBS-6	T26304	0.770	19.6	424AN-03/ 12	474SW-55	474NP-10/ 14	05 = 1-1/2"	08 = 3/4" - 14 NPT
C12PNBS-7	T26305	0.770	19.6	424AN-03/ 12	474SW-55	474NP-10/ 14	06 = 2"	10 = 3/4" - 14 NPT
C12PNBS-8	T26306	0.800	20.3	424AN-03/ 12	474SW-55	474NP-10/ 14	07 = 2-1/2"	14 = 1" - 11-1/2 NPT
C12PNBS-10	T26307	0.960	24.4	424AN-04/ 15	474SW-55	474NP-10/ 14	08 = 3"	15 = 1" - 11-1/2 NPT
C12PNBS-12	T26308	0.970	24.6	424AN-04/ 15	474SW-55	474NP-10/ 14	09 = 3-1/2"	20 = 1-1/4" - 11-1/2 NPT
C12PNBS-16	T26309	1.110	28.2	424AN-04/ 15	474SW-56	474NP-15/ 20	10 = 1/2"	21 = 1-1/4" - 11-1/2 NPT
C12PNBS-20	T26310	1.190	30.2	424AN-04/ 05/ 15	474SW-56	474NP-15/ 20	12 = 3/4"	27 = 1-1/2" - 11-1/2 NPT
C12PNBS-24	T26311	1.310	33.3	424AN-05	474SW-57	474NP-21/ 27	15 = 1"	28 = 1-1/2" - 11-1/2 NPT
C12PNBS-30	T26312	1.330	33.8	424AN-05	474SW-57	474NP-21/ 27		31 = 2" - 11-1/2 NPT
C12PNBS-37	T26313	1.460	37.1	424AN-05/ 06	474SW-57	474NP-21/ 27		32 = 2" - 11-1/2 NPT
C12PNBS-44	T26314	1.620	41.1	424AN-06	474SW-58	474NP-28/ 31		33 = 2" - 11-1/2 NPT
C12PNBS-60	T26315	1.830	46.5	424AN-06	474SW-59	474NP-32		38 = 2-1/2" - 8 NPT
C12PNBS-91	T26316	2.200	55.9	424AN-07	474SW-60/ 61	474NP-33/ 38		39 = 2-1/2" - 8 NPT
								45 = 3" - 8 NPT
								47 = 3" - 8 NPT

10 AWG • 5.53 mm²

				GLAND SELECTION		
Type Designation	Draka Number	Cable Diameter (nominal)		Explosion Proof: Armored	Non-Explosion Proof: Armored	Non-Explosion Proof: Armored
		in	mm		(metric)	(NPT)
C10PNBS-2	T26317	0.680	17.3	424AN-03/ 12	474SW-53	474NP-05/ 08
C10PNBS-3	T26318	0.700	17.8	424AN-03/ 12	474SW-53	474NP-05/ 08
C10PNBS-4	T26319	0.750	19.1	424AN-03/ 12	474SW-55	474NP-10/ 14
C10PNBS-5	T26320	0.800	20.3	424AN-03/ 12	474SW-55	474NP-10/ 14
C10PNBS-6	T26321	0.900	22.9	424AN-03/ 12	474SW-55	474NP-10/ 14
C10PNBS-7	T26322	0.900	22.9	424AN-03/ 12	474SW-55	474NP-10/ 14
C10PNBS-8	T26323	0.950	24.1	424AN-04/ 15	474SW-55	474NP-10/ 14
C10PNBS-10	T26324	1.120	28.4	424AN-04/ 15	474SW-56	474NP-15/ 20



Prysmian North America

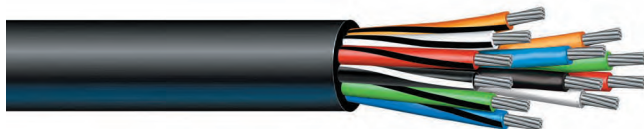
1610 Greens Road, Suite 300
Houston, TX 77032

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

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

Multi-conductor / **unarmored**

TYPE P CONTROL CABLE 600V or 0.6/1kV **14 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 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
- Unarmored cables suitable for use in Class I Division 2 and Zone 2 hazardous locations
- 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. 239- Type CIC

CSA 22.2 No. 230 as Type TC-ER

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.

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 CONTROL CABLE 600V OR 0.6/1kV

Multi-conductor / unarmored

TYPE P CONTROL CABLE 600V or 0.6/1kV **14 AWG**

14 AWG / 600V or 0.6/1kV • 1.94 mm²

Type Designation	Draka Number	Number of Conductor	Insulation Thickness		Sheath Thickness		Cable Diameter		Cable Weight	
			in	mm	in	mm	in	mm	Lbs/Mft	Kg/Km
C14PN-2	T26207	2	0.030	0.76	0.060	1.5	0.390	9.9	85	125
C14PN-3	T26208	3	0.030	0.76	0.060	1.5	0.410	10.4	105	155
C14PN-4	T26209	4	0.030	0.76	0.060	1.5	0.450	11.4	130	195
C14PN-5	T26210	5	0.030	0.76	0.060	1.5	0.490	12.4	160	240
C14PN-6	T26211	6	0.030	0.76	0.060	1.5	0.530	13.5	185	275
C14PN-7	T26212	7	0.030	0.76	0.060	1.5	0.530	13.5	200	300
C14PN-8	T26213	8	0.030	0.76	0.060	1.5	0.570	14.5	230	340
C14PN-10	T26214	10	0.030	0.76	0.060	1.5	0.660	16.8	285	425
C14PN-12	T26215	12	0.030	0.76	0.060	1.5	0.680	17.3	325	485
C14PN-16	T26216	16	0.030	0.76	0.060	1.5	0.750	19.1	415	620
C14PN-20	T26217	20	0.030	0.76	0.080	2.0	0.880	22.4	550	820
C14PN-24	T26218	24	0.030	0.76	0.080	2.0	0.960	24.4	645	960
C14PN-30	T26219	30	0.030	0.76	0.080	2.0	1.020	25.9	775	1,155
C14PN-37	T26220	37	0.030	0.76	0.080	2.0	1.100	27.9	930	1,385
C14PN-44	T26221	44	0.030	0.76	0.080	2.0	1.240	31.5	1,105	1,645
C14PN-60	T26222	60	0.030	0.76	0.080	2.0	1.370	34.8	1,455	2,165
C14PN-91	T26223	91	0.030	0.76	0.080	2.0	1.650	41.9	2,145	3,190

The current limit on these cables should be for providing control functions through relays and switching devices. The maximum current for any one conductor should not exceed the value Table 3 for three conductor cables. The average of all conductors should not exceed the limit based on the total number of conductors in the cable taken from Table 4 multiplied by the ampacity from Table 3. Three conductor or four conductor cables with three current carrying conductors may be used for continuous power.

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.

TABLE 3

Three Conductor Cable, Four Conductor Cables with Three Current Carrying Conductors 45°C Ambient

Conductor Size			95°C	100°C	110°C	125°C *
Gauge	CMA	mm ²				
14	4,106	2.8	20	25	27	28

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

TABLE 4

Cables with more than Four Current Carrying Conductors

Number of Conductors	% of 3 Conductor Ampacity Values
4-6	80
7-9	70
10-20	50
21-30	45
31-40	40
41-60	35
61 and greater	30



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 CONTROL CABLE 600V OR 0.6/1kV

Multi-conductor / unarmored

TYPE P CONTROL CABLE 600V or 0.6/1kV **14 AWG**

14 AWG / 600V or 0.6/1kV • 1.94 mm²

				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)		
C14PN-2	T26207	0.390	9.9	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08	01 = 1/2"	03 = 1/2" - 14 NPT
C14PN-3	T26208	0.410	10.4	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08	02 = 1/2"	04 = 1/2" - 14 NPT
C14PN-4	T26209	0.450	11.4	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08	03 = 3/4"	05 = 1/2" - 14 NPT
C14PN-5	T26210	0.490	12.4	424UB-02	494AB-53/ 55	494NE-05/ 08/ 10/ 14	04 = 1"	08 = 3/4" - 14 NPT
C14PN-6	T26211	0.530	13.5	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	05 = 1-1/4"	10 = 3/4" - 14 NPT
C14PN-7	T26212	0.530	13.5	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	15 = 1-1/2"	14 = 1" - 11-1/2 NPT
C14PN-8	T26213	0.570	14.5	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	06 = 2"	15 = 1" - 11-1/2 NPT
C14PN-10	T26214	0.660	16.8	424UB-03	494AB-55	494NE-10/ 14	07 = 2-1/2"	20 = 1-1/4" - 11-1/2 NPT
C14PN-12	T26215	0.680	17.3	424UB-03/ 04	494AB-55	494NE-10/ 14	08 = 3"	21 = 1-1/4" - 11-1/2 NPT
C14PN-16	T26216	0.750	19.1	424UB-03/ 04	494AB-55/ 56	494NE-10/ 14/ 15/ 20	09 = 3-1/2"	27 = 1-1/2" - 11-1/2 NPT
C14PN-20	T26217	0.880	22.4	424UB-04	494AB-56	494NE-15/ 20		32 = 2" - 11-1/2 NPT
C14PN-24	T26218	0.960	24.4	424UB-04/ 05/ 15	494AB-56/ 57	494NE-15/ 20/ 21/ 27		38 = 2-1/2" - 8 NPT
C14PN-30	T26219	1.020	25.9	424UB-04/ 05/ 15	494AB-56/ 57	494NE-15/ 20/ 21/ 27		44 = 3" - 8 NPT
C14PN-37	T26220	1.100	27.9	424UB-05/ 15	494AB-57	494NE-21/ 27		45 = 3" - 8 NPT
C14PN-44	T26221	1.240	31.5	424UB-05/ 15/ 06	494AB-57/ 59	494NE-21/ 27/ 32		
C14PN-60	T26222	1.370	34.8	424UB-06	494AB-59	494NE-32		
C14PN-91	T26223	1.650	41.9	424UB-07	494AB61	494NE-38		



Prysmian North America

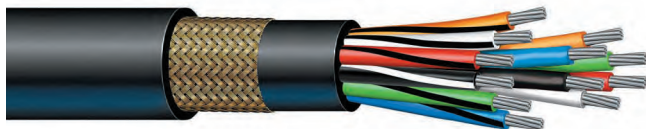
1610 Greens Road, Suite 300
Houston, TX 77032

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

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

Multi-conductor / **armored and sheathed**

TYPE P CONTROL CABLE 600V or 0.6/1kV **14 AWG**



Applications

Bostrig™ Type P Marine and Offshore Cable is primarily designed for power, control, signal, and instrumentation applications for offshore, 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

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.

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.

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 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 CONTROL CABLE 600V OR 0.6/1kV

Multi-conductor / **armored and sheathed**

TYPE P CONTROL CABLE 600V or 0.6/1kV **14 AWG**

14 AWG / 600V or 0.6/1kV • 1.94 mm²

Type Designation	Draka Number	Number of Conductor	Insulation Thickness		Sheath Thickness		Cable Diameter		Cable Weight	
			in	mm	in	mm	in	mm	Lbs/Mft	Kg/Km
C14PNBS-2	T26283	2	.030	0.76	0.060	1.5	0.570	14.5	220	325
C14PNBS-3	T26284	3	.030	0.76	0.060	1.5	0.590	15.0	245	365
C14PNBS-4	T26285	4	.030	0.76	0.060	1.5	0.630	16.0	285	425
C14PNBS-5	T26286	5	.030	0.76	0.060	1.5	0.650	16.5	320	475
C14PNBS-6	T26287	6	.030	0.76	0.060	1.5	0.710	18.0	340	505
C14PNBS-7	T26288	7	.030	0.76	0.060	1.5	0.710	18.0	380	565
C14PNBS-8	T26289	8	.030	0.76	0.060	1.5	0.740	18.8	395	590
C14PNBS-10	T26290	10	.030	0.76	0.080	2.0	0.900	22.9	505	750
C14PNBS-12	T26291	12	.030	0.76	0.080	2.0	0.880	22.4	575	855
C14PNBS-16	T26292	16	.030	0.76	0.080	2.0	0.980	24.9	715	1,065
C14PNBS-20	T26293	20	.030	0.76	0.080	2.0	1.030	26.2	840	1,250
C14PNBS-24	T26294	24	.030	0.76	0.080	2.0	1.170	29.7	930	1,385
C14PNBS-30	T26295	30	.030	0.76	0.080	2.0	1.250	31.8	1,175	1,750
C14PNBS-37	T26296	37	.030	0.76	0.080	2.0	1.300	33.0	1,345	2,000
C14PNBS-44	T26297	44	.030	0.76	0.080	2.0	1.440	36.6	1,510	2,245
C14PNBS-60	T26298	60	.030	0.76	0.080	2.0	1.590	40.4	2,020	3,005
C14PNBS-91	T26299	91	.030	0.76	0.110	2.8	1.990	50.5	3,215	4,785

The current limit on these cables should be for providing control functions through relays and switching devices. The maximum current for any one conductor should not exceed the value Table 3 for three conductor cables. The average of all conductors should not exceed the limit based on the total number of conductors in the cable taken from Table 4 multiplied by the ampacity from Table 3. Three conductor or four conductor cables with three current carrying conductors may be used for continuous power.

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.

TABLE 3

Three Conductor Cable, Four Conductor Cables with Three Current Carrying Conductors 45°C Ambient

Conductor Size			95°C	100°C	110°C	125°C*
Gauge	CMA	mm ²				
14	4,106	2.08	20	25	27	28

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

TABLE 4

Cables with more than Four Current Carrying Conductors

Number of Conductors	% of 3 Conductor Ampacity Values
4-6	80
7-9	70
10-20	50
21-30	45
31-40	40
41-60	35
61 and greater	30

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 CONTROL CABLE 600V OR 0.6/1kV

Multi-conductor / **armored and sheathed**

TYPE P CONTROL CABLE 600V or 0.6/1kV **14 AWG**

14 AWG / 600V or 0.6/1kV • 1.94 mm²

				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)		
C14PNBS-2	T26283	0.570	14.5	424AN-01/ 02/ 10	***	493NE-04/ 08	01 = 1/2"	03 = 1/2" - 14 NPT
C14PNBS-3	T26284	0.590	15.0	424AN-01/ 02/ 10	474SW-52	474NP-04/ 07	02 = 3/4"	04 = 1/2" - 14 NPT
C14PNBS-4	T26285	0.630	16.0	424AN-02/ 10	***	493NE-04/ 08	03 = 1"	07 = 3/4" - 14 NPT
C14PNBS-5	T26286	0.650	16.5	424AN-02	474SW-53	474NP-05/ 08	04 = 1-1/4"	05 = 1/2" - 14 NPT
C14PNBS-6	T26287	0.710	18.0	424AN-03/ 12	474SW-53	474NP-05/ 08	05 = 1-1/2"	08 = 3/4" - 14 NPT
C14PNBS-7	T26288	0.710	18.0	424AN-03/ 12	474SW-53	474NP-05/ 08	06 = 2"	10 = 3/4" - 14 NPT
C14PNBS-8	T26289	0.740	18.8	424AN-03/ 12	474SW-53	474NP-05/ 08	07 = 2-1/2"	14 = 1" - 11-1/2 NPT
C14PNBS-10	T26290	0.900	22.9	424AN-03/ 12	474SW-55	474NP-10/ 14	08 = 3"	15 = 1" - 11-1/2 NPT
C14PNBS-12	T26291	0.880	22.4	424AN-03/ 12	474SW-55	474NP-10/ 14	09 = 3-1/2"	20 = 1-1/4" - 11-1/2 NPT
C14PNBS-16	T26292	0.980	24.9	424AN-04/ 15	474SW-55	474NP-10/ 14	10 = 1/2"	21 = 1-1/4" - 11-1/2 NPT
C14PNBS-20	T26293	1.030	26.2	424AN-04/ 15	474SW-56	474NP-15/ 20	12 = 3/4"	27 = 1-1/2" - 11-1/2 NPT
C14PNBS-24	T26294	1.170	29.7	424AN-04/ 05/ 15	474SW-56	474NP-15/ 20	15 = 1"	28 = 1-1/2" - 11-1/2 NPT
C14PNBS-30	T26295	1.250	31.8	424AN-05	474SW-56	474NP-15/ 20		31 = 2" - 11-1/2 NPT
C14PNBS-37	T26296	1.300	33.0	424AN-05	474SW-57	474NP-21/ 27		32 = 2" - 11-1/2 NPT
C14PNBS-44	T26297	1.440	36.6	424AN-05	474SW-57	474NP-21/ 27		33 = 2" - 11-1/2 NPT
C14PNBS-60	T26298	1.590	40.4	424AN-06	474SW-58	474NP-28/ 31		38 = 2-1/2" - 8 NPT
C14PNBS-91	T26299	1.990	50.5	424AN-06	474SW-59	474NP-32		39 = 2 1/2" - 8 NPT
								45 = 3" - 8 NPT
								47 = 3" - 8 NPT



Prysmian North America

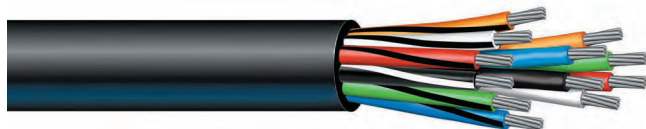
1610 Greens Road, Suite 300
Houston, TX 77032

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

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

Multi-conductor / **unarmored**

TYPE P CONTROL CABLE 600V or 0.6/1kV **16 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 use in Class I Division 2 and Zone 2 hazardous locations
- 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. 239- Type CIC

CSA 22.2 No. 230- Type TC-ER

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.

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 CONTROL CABLE 600V OR 0.6/1kV

Multi-conductor / unarmored

TYPE P CONTROL CABLE 600V or 0.6/1kV **16 AWG**

16 AWG / 600V or 0.6/1kV • 1.23 mm²

Type Designation	Draka Number	Number of Conductor	Insulation Thickness		Sheath Thickness		Cable Diameter		Cable Weight	
			in	mm	in	mm	in	mm	Lbs/Mft	Kg/Km
C16PN-2	T26190	2	0.030	0.76	0.060	1.5	0.360	9.1	70	105
C16PN-3	T26191	3	0.030	0.76	0.060	1.5	0.380	9.7	85	125
C16PN-4	T26192	4	0.030	0.76	0.060	1.5	0.410	10.4	105	155
C16PN-5	T26193	5	0.030	0.76	0.060	1.5	0.440	11.2	125	185
C16PN-6	T26194	6	0.030	0.76	0.060	1.5	0.480	12.2	145	215
C16PN-7	T26195	7	0.030	0.76	0.060	1.5	0.480	12.2	150	225
C16PN-8	T26196	8	0.030	0.76	0.060	1.5	0.520	13.2	185	275
C16PN-10	T26197	10	0.030	0.76	0.060	1.5	0.600	15.2	220	325
C16PN-12	T26198	12	0.030	0.76	0.060	1.5	0.620	15.7	235	350
C16PN-16	T26199	16	0.030	0.76	0.060	1.5	0.680	17.3	315	470
C16PN-20	T26200	20	0.030	0.76	0.060	1.5	0.750	19.1	385	575
C16PN-24	T26201	24	0.030	0.76	0.060	1.5	0.810	20.6	450	670
C16PN-30	T26202	30	0.030	0.76	0.080	2.0	0.930	23.6	580	865
C16PN-37	T26203	37	0.030	0.76	0.080	2.0	1.000	25.4	695	1,035
C16PN-44	T26204	44	0.030	0.76	0.080	2.0	1.120	28.4	825	1,230
C16PN-60	T26205	60	0.030	0.76	0.080	2.0	1.230	31.2	1,070	1,590
C16PN-91	T26206	91	0.030	0.76	0.080	2.0	1.420	36.1	1,645	2,450

The current limit on these cables should be for providing control functions through relays and switching devices. The maximum current for any one conductor should not exceed the value Table 3 for three conductor cables. The average of all conductors should not exceed the limit based on the total number of conductors in the cable taken from Table 4 multiplied by the ampacity from Table 3. Three conductor or four conductor cables with three current carrying conductors may be used for continuous power.

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.

TABLE 3

Three Conductor Cable, Four Conductor Cables with Three Current Carrying Conductors 45°C Ambient

Conductor Size			95°C	100°C	110°C	125°C*
Gauge	CMA	mm ²				
16	2,061	1.32	16	17	18	18

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

TABLE 4

Cables with more than Four Current Carrying Conductors

Number of Conductors	% of 3 Conductor Ampacity Values
4-6	80
7-9	70
10-20	50
21-30	45
31-40	40
41-60	35
61 and greater	30



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 CONTROL CABLE 600V OR 0.6/1kV

Multi-conductor / unarmored

TYPE P CONTROL CABLE 600V or 0.6/1kV **16 AWG**

16 AWG / 600V or 0.6/1kV • 1.23 mm²

				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)		
C16PN-2	T26190	0.360	9.1	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08	01 = 1/2"	03 = 1/2" - 14 NPT
C16PN-3	T26191	0.380	9.7	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08	02 = 1/2"	04 = 1/2" - 14 NPT
C16PN-4	T26192	0.410	10.4	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08	03 = 3/4"	05 = 1/2" - 14 NPT
C16PN-5	T26193	0.440	11.2	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08	04 = 1"	08 = 3/4" - 14 NPT
C16PN-6	T26194	0.480	12.2	424UB-02	494AB-53/ 55	494NE-05/ 08/ 10/ 14	05 = 1-1/4"	10 = 3/4" - 14 NPT
C16PN-7	T26195	0.480	12.2	424UB-02	494AB-53/ 55	494NE-05/ 08/ 10/ 14	15 = 1-1/2"	14 = 1" - 11-1/2 NPT
C16PN-8	T26196	0.520	13.2	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	06 = 2"	15 = 1" - 11-1/2 NPT
C16PN-10	T26197	0.600	15.2	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	07 = 2-1/2"	20 = 1-1/4" - 11-1/2 NPT
C16PN-12	T26198	0.620	15.7	424UB-03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	08 = 3"	21 = 1-1/4" - 11-1/2 NPT
C16PN-16	T26199	0.680	17.3	424UB-03/ 04	494AB-55	494NE-10/ 14	09 = 3 -1/2"	27 = 1-1/2" - 11-1/2 NPT
C16PN-20	T26200	0.750	19.1	424UB-03/ 04	494AB-55/ 56	494NE-10/ 14/ 15/ 20		32 = 2" - 11-1/2 NPT
C16PN-24	T26201	0.810	20.6	424UB-04	494AB-55/ 56	494NE-10/ 14/ 15/ 20		38 = 2-1/2" - 8 NPT
C16PN-30	T26202	0.930	23.6	424UB-04	494AB-56	494NE-15/ 20		44 = 3" - 8 NPT
C16PN-37	T26203	1.000	25.4	424UB-04/ 05/ 15	494AB-56/ 57	494NE-15/ 20/ 21/ 27		45 = 3" - 8 NPT
C16PN-44	T26204	1.120	28.4	424UB-05/ 15	494AB-57	494NE-21/ 27		
C16PN-60	T26205	1.230	31.2	424UB-05/ 15/ 06	494AB-57/ 59	494NE-21/ 27/ 32		
C16PN-91	T26206	1.420	36.1	424UB-06	494AB-59	494NE-32		



Prysmian North America

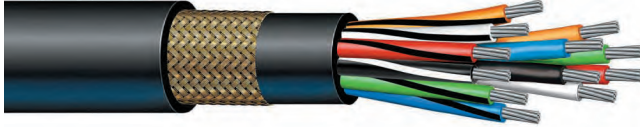
1610 Greens Road, Suite 300
Houston, TX 77032

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

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

Multi-conductor / **armored and sheathed**

TYPE P CONTROL CABLE 600V or 0.6/1kV **16 AWG**



Applications

Bostrig™ Type P Marine and Offshore Cable is primarily designed for power, control, signal, and instrumentation applications for offshore, 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.

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.

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 CONTROL CABLE 600V OR 0.6/1kV

Multi-conductor / **armored and sheathed**

TYPE P CONTROL CABLE 600V or 0.6/1kV **16 AWG**

16 AWG / 600V or 0.6/1kV • 1.23 mm²

Type Designation	Draka Number	Number of Conductor	Insulation Thickness		Sheath Thickness		Cable Diameter		Cable Weight	
			in	mm	in	mm	in	mm	Lbs/Mft	Kg/Km
C16PNBS-2	T26266	2	0.030	0.76	0.060	1.5	0.550	14.0	200	300
C16PNBS-3	T26267	3	0.030	0.76	0.060	1.5	0.560	14.2	220	325
C16PNBS-4	T26268	4	0.030	0.76	0.060	1.5	0.590	15.0	235	350
C16PNBS-5	T26269	5	0.030	0.76	0.060	1.5	0.630	16.0	275	410
C16PNBS-6	T26270	6	0.030	0.76	0.060	1.5	0.650	16.5	295	440
C16PNBS-7	T26271	7	0.030	0.76	0.060	1.5	0.650	16.5	315	470
C16PNBS-8	T26272	8	0.030	0.76	0.060	1.5	0.700	17.8	360	535
C16PNBS-10	T26273	10	0.030	0.76	0.060	1.5	0.780	19.8	420	625
C16PNBS-12	T26274	12	0.030	0.76	0.060	1.5	0.800	20.3	445	660
C16PNBS-16	T26275	16	0.030	0.76	0.080	2.0	0.910	23.1	585	870
C16PNBS-20	T26276	20	0.030	0.76	0.080	2.0	0.970	24.6	680	1,010
C16PNBS-24	T26277	24	0.030	0.76	0.080	2.0	1.030	26.2	760	1,130
C16PNBS-30	T26278	30	0.030	0.76	0.080	2.0	1.140	29.0	865	1,285
C16PNBS-37	T26279	37	0.030	0.76	0.080	2.0	1.220	31.0	1,080	1,605
C16PNBS-44	T26280	44	0.030	0.76	0.080	2.0	1.320	33.5	1,125	1,675
C16PNBS-60	T26281	60	0.030	0.76	0.080	2.0	1.460	37.1	1,580	2,350
C16PNBS-91	T26282	91	0.030	0.76	0.110	2.8	1.760	44.7	2,365	3,520

The current limit on these cables should be for providing control functions through relays and switching devices. The maximum current for any one conductor should not exceed the value Table 3 for three conductor cables. The average of all conductors should not exceed the limit based on the total number of conductors in the cable taken from Table 4 multiplied by the ampacity from Table 3. Three conductor or four conductor cables with three current carrying conductors may be used for continuous power.

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.

TABLE 3

Three Conductor Cable, Four Conductor Cables with Three Current Carrying Conductors 45°C Ambient

Conductor Size			95°C	100°C	110°C	125°C*
Gauge	CMA	mm ²				
16	2,601	1.32	16	17	18	18

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

TABLE 4

Cables with more than Four Current Carrying Conductors

Number of Conductors	% of 3 Conductor Ampacity Values
4-6	80
7-9	70
10-20	50
21-30	45
31-40	40
41-60	35
61 and greater	30

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 CONTROL CABLE 600V OR 0.6/1kV

Multi-conductor / **armored and sheathed**

TYPE P CONTROL CABLE 600V or 0.6/1kV **16 AWG**

16 AWG / 600V or 0.6/1kV • 1.23 mm²

				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)		
C16PNBS-2	T26266	0.550	14.0	424AN-01/ 02/ 10	474SW-52	474NP-04/ 07	01 = 1/2"	03 = 1/2" - 14 NPT
C16PNBS-3	T26267	0.560	14.2	424AN-01/ 02/ 10	474SW-52	474NP-04/ 07	02 = 3/4"	04 = 1/2" - 14 NPT
C16PNBS-4	T26268	0.590	15.0	424AN-01/ 02/ 10	474SW-52	474NP-04/ 07	03 = 1"	07 = 3/4" - 14 NPT
C16PNBS-5	T26269	0.630	16.0	424AN-02/ 10	***	493NE-08/ 14	04 = 1-1/4"	05 = 1/2" - 14 NPT
C16PNBS-6	T26270	0.650	16.5	424AN-02/ 10	474SW-53	474NP-05/ 08	05 = 1-1/2"	08 = 3/4" - 14 NPT
C16PNBS-7	T26271	0.650	16.5	424AN-02	474SW-53	474NP-05/ 08	06 = 2"	10 = 3/4" - 14 NPT
C16PNBS-8	T26272	0.700	17.8	424AN-03/ 12	474SW-53	474NP-05/ 08	07 = 2-1/2"	14 = 1" - 11-1/2 NPT
C16PNBS-10	T26273	0.780	19.8	424AN-03/ 12	474SW-55	474NP-10/ 14	08 = 3"	15 = 1" - 11-1/2 NPT
C16PNBS-12	T26274	0.800	20.3	424AN-03/ 12	474SW-55	474NP-10/ 14	09 = 3-1/2"	20 = 1-1/4" - 11-1/2 NPT
C16PNBS-16	T26275	0.910	23.1	424AN-03/ 12	474SW-55	474NP-10/ 14	10 = 1/2"	21 = 1-1/4" - 11-1/2 NPT
C16PNBS-20	T26276	0.970	24.6	424AN-04/ 15	474SW-55	474NP-10/ 14	12 = 3/4"	27 = 1-1/2" - 11-1/2 NPT
C16PNBS-24	T26277	1.030	26.2	424AN-04/ 15	474SW-56	474NP-15/ 20	15 = 1"	28 = 1-1/2" - 11-1/2 NPT
C16PNBS-30	T26278	1.140	29.0	424AN-04/ 15	474SW-56	474NP-15/ 20		31 = 2" - 11-1/2 NPT
C16PNBS-37	T26279	1.220	31.0	424AN-05	474SW-56	474NP-15/ 20		32 = 2" - 11-1/2 NPT
C16PNBS-44	T26280	1.320	33.5	424AN-05	474SW-57	474NP 21/ 27		33 = 2" - 11-1/2 NPT
C16PNBS-60	T26281	1.460	37.1	424AN-05/ 06	474SW-57	474NP 21/ 27		38 = 2-1/2" - 8 NPT
C16PNBS-91	T26282	1.760	44.7	424AN-06	***	493NE-32		39 = 2-1/2" - 8 NPT
								45 = 3" - 8 NPT
								47 = 3" - 8 NPT



Prysmian North America

1610 Greens Road, Suite 300

Houston, TX 77032

+1.281.209.1070 | +1.888.354.2225

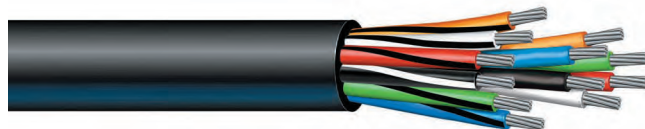
ogp@prysmian.com

na.prysmian.com

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

Multi-conductor / **unarmored**

TYPE P CONTROL CABLE 600V or 0.6/1kV **18 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
- Unarmored cables suitable for use in Class I Division 2 and Zone 2 hazardous locations
- Meets IEEE standards for 600V and performance requirements of IEC standards for 0.6/1 kV
- 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. 239- Type CIC

CSA 22.2 No. 230- Type TC-ER

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.

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 CONTROL CABLE 600V OR 0.6/1kV

Multi-conductor / unarmored

TYPE P CONTROL CABLE 600V or 0.6/1kV **18 AWG**

18 AWG / 600V or 0.6/1kV • 0.96 mm²

Type Designation	Draka Number	Number of Conductor	Insulation Thickness		Sheath Thickness		Cable Diameter		Cable Weight	
			in	mm	in	mm	in	mm	Lbs/Mft	Kg/Km
C18PN-2	T26173	2	0.030	0.76	0.060	1.5	0.350	8.9	60	90
C18PN-3	T26174	3	0.030	0.76	0.060	1.5	0.360	9.1	75	110
C18PN-4	T26175	4	0.030	0.76	0.060	1.5	0.390	9.9	90	135
C18PN-5	T26176	5	0.030	0.76	0.060	1.5	0.420	10.7	105	155
C18PN-6	T26177	6	0.030	0.76	0.060	1.5	0.460	11.7	120	180
C18PN-7	T26178	7	0.030	0.76	0.060	1.5	0.460	11.7	130	195
C18PN-8	T26179	8	0.030	0.76	0.060	1.5	0.490	12.4	140	210
C18PN-10	T26180	10	0.030	0.76	0.060	1.5	0.570	14.5	180	270
C18PN-12	T26181	12	0.030	0.76	0.060	1.5	0.580	14.7	205	305
C18PN-16	T26182	16	0.030	0.76	0.060	1.5	0.660	16.8	260	385
C18PN-20	T26183	20	0.030	0.76	0.060	1.5	0.710	18.0	320	475
C18PN-24	T26184	24	0.030	0.76	0.060	1.5	0.790	20.1	375	560
C18PN-30	T26185	30	0.030	0.76	0.080	2.0	0.890	22.6	485	720
C18PN-37	T26186	37	0.030	0.76	0.080	2.0	0.940	23.9	570	850
C18PN-44	T26187	44	0.030	0.76	0.080	2.0	1.050	26.7	670	995
C18PN-60	T26188	60	0.030	0.76	0.080	2.0	1.170	29.7	835	1,245
C18PN-91	T26189	91	0.030	0.76	0.080	2.0	1.390	35.3	1,220	1,815

The current limit on these cables should be for providing control functions through relays and switching devices. The maximum current for any one conductor should not exceed the value Table 3 for three conductor cables. The average of all conductors should not exceed the limit based on the total number of conductors in the cable taken from Table 4 multiplied by the ampacity from Table 3. Three conductor or four conductor cables with three current carrying conductors may be used for continuous power.

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.

TABLE 3

Three Conductor Cable, Four Conductor Cables with Three Current Carrying Conductors 45°C Ambient

Conductor Size			95°C	100°C	110°C	125°C *
Gauge	CMA	mm ²				
18	1,620	0.82	11	12	13	13

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

TABLE 4

Cables with more than Four Current Carrying Conductors

Number of Conductors	% of 3 Conductor Ampacity Values
4-6	80
7-9	70
10-20	50
21-30	45
31-40	40
41-60	35
61 and greater	30

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 CONTROL CABLE 600V OR 0.6/1kV

Multi-conductor / unarmored

TYPE P CONTROL CABLE 600V or 0.6/1kV **18 AWG**

18 AWG / 600V or 0.6/1kV • 0.96 mm²

				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)		
C18PN-2	T26173	0.350	8.9	424UB-01/ 02	494AB-52/ 53	494NE-04/ 05/ 08	01 = 1/2"	03 = 1/2" - 14 NPT
C18PN-3	T26174	0.360	9.1	424UB-01/ 02	494AB-52/ 53	494NE-04/ 05/ 08	02 = 1/2"	04 = 1/2" - 14 NPT
C18PN-4	T26175	0.390	9.9	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08	03 = 3/4"	05 = 1/2" - 14 NPT
C18PN-5	T26176	0.420	10.7	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08	04 = 1"	08 = 3/4" - 14 NPT
C18PN-6	T26177	0.460	11.7	424UB-02	494AB-53/ 55	494NE-05/ 08/ 10/ 14	05 = 1-1/4"	10 = 3/4" - 14 NPT
C18PN-7	T26178	0.460	11.7	424UB-02	494AB-53/ 55	494NE-05/ 08/ 10/ 14	15 = 1-1/2"	14 = 1" - 11-1/2 NPT
C18PN-8	T26179	0.490	12.4	424UB-02	494AB-53/ 55	494NE-05/ 08/ 10/ 14	06 = 2"	15 = 1" - 11-1/2 NPT
C18PN-10	T26180	0.570	14.5	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	07 = 2-1/2"	20 = 1-1/4" - 11-1/2 NPT
C18PN-12	T26181	0.580	14.7	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	08 = 3"	21 = 1-1/4" - 11-1/2 NPT
C18PN-16	T26182	0.660	16.8	424UB-03	494AB-55	494NE-10/ 14	09 = 3-1/2"	27 = 1-1/2" - 11-1/2 NPT
C18PN-20	T26183	0.710	18.0	424UB-03/ 04	494AB-55	494NE-10/ 14		32 = 2" - 11-1/2 NPT
C18PN-24	T26184	0.790	20.1	424UB-04	494AB-55/ 56	494NE-10/ 14/ 15/ 20		38 = 2-1/2" - 8 NPT
C18PN-30	T26185	0.890	22.6	424UB-04	494AB-56	494NE-15/ 20		44 = 3" - 8 NPT
C18PN-37	T26186	0.940	23.9	424UB-04	494AB-56	494NE-15/ 20		45 = 3" - 8 NPT
C18PN-44	T26187	1.050	26.7	424UB-04/ 05/ 15	494AB-56/ 57	494NE-15/ 20/ 21/ 27		
C18PN-60	T26188	1.170	29.7	424UB-05/ 15/ 06	494AB-57	494NE-21/ 27		
C18PN-91	T26189	1.390	35.3	424UB-06	494AB-59	494NE-32		



Prysmian North America

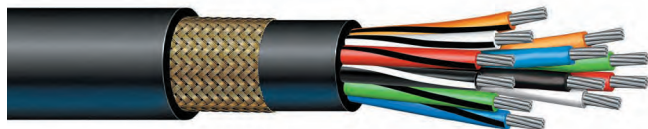
1610 Greens Road, Suite 300
Houston, TX 77032

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

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

Multi-conductor / **armored and sheathed**

TYPE P CONTROL CABLE 600V or 0.6/1kV **18 AWG**



Applications

Bostrig™ Type P Marine and Offshore Cable is primarily designed for power, control, signal, and instrumentation applications for 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
- 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.

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.

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 CONTROL CABLE 600V OR 0.6/1kV

Multi-conductor / **armored and sheathed**

TYPE P CONTROL CABLE 600V or 0.6/1kV **18 AWG**

18 AWG / 600V or 0.6/1kV • 0.96 mm²

Type Designation	Draka Number	Number of Conductor	Insulation Thickness		Sheath Thickness		Cable Diameter		Cable Weight	
			in	mm	in	mm	in	mm	Lbs/Mft	Kg/Km
C18PNBS-2	T26249	2	0.030	0.76	0.060	1.5	0.530	13.5	180	270
C18PNBS-3	T26250	3	0.030	0.76	0.060	1.5	0.540	13.7	200	300
C18PNBS-4	T26251	4	0.030	0.76	0.060	1.5	0.570	14.5	225	335
C18PNBS-5	T26252	5	0.030	0.76	0.060	1.5	0.610	15.5	250	370
C18PNBS-6	T26253	6	0.030	0.76	0.060	1.5	0.640	16.3	275	410
C18PNBS-7	T26254	7	0.030	0.76	0.060	1.5	0.640	16.3	285	425
C18PNBS-8	T26255	8	0.030	0.76	0.060	1.5	0.720	18.3	340	505
C18PNBS-10	T26256	10	0.030	0.76	0.060	1.5	0.750	19.1	365	545
C18PNBS-12	T26257	12	0.030	0.76	0.060	1.5	0.770	19.6	405	605
C18PNBS-16	T26258	16	0.030	0.76	0.080	2.0	0.890	22.6	500	745
C18PNBS-20	T26259	20	0.030	0.76	0.080	2.0	0.940	23.9	580	865
C18PNBS-24	T26260	24	0.030	0.76	0.080	2.0	1.010	25.7	680	1,010
C18PNBS-30	T26261	30	0.030	0.76	0.080	2.0	1.100	27.9	790	1,175
C18PNBS-37	T26262	37	0.030	0.76	0.080	2.0	1.160	29.5	935	1,390
C18PNBS-44	T26263	44	0.030	0.76	0.080	2.0	1.280	32.5	1,035	1,540
C18PNBS-60	T26264	60	0.030	0.76	0.080	2.0	1.390	35.3	1,355	2,015
C18PNBS-91	T26265	91	0.030	0.76	0.080	2.0	1.590	40.4	1,860	2,770

The current limit on these cables should be for providing control functions through relays and switching devices. The maximum current for any one conductor should not exceed the value Table 3 for three conductor cables. The average of all conductors should not exceed the limit based on the total number of conductors in the cable taken from Table 4 multiplied by the ampacity from Table 3. Three conductor or four conductor cables with three current carrying conductors may be used for continuous power.

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.

TABLE 3

Three Conductor Cable, Four Conductor Cables with Three Current Carrying Conductors 45°C Ambient

Conductor Size			95°C	100°C	110°C	125°C*
Gauge	CMA	mm ²				
18	1,620	0.82	11	12	13	13

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

TABLE 4

Cables with more than Four Current Carrying Conductors

Number of Conductors	% of 3 Conductor Ampacity Values
4-6	80
7-9	70
10-20	50
21-30	45
31-40	40
41-60	35
61 and greater	30

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 CONTROL CABLE 600V OR 0.6/1kV

Multi-conductor / **armored and sheathed**

TYPE P CONTROL CABLE 600V or 0.6/1kV **18 AWG**

18 AWG / 600V or 0.6/1kV • 0.96 mm²

				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)		
C18PNBS-2	T26249	0.530	13.5	424AN-02/ 10	474SW-52	474NP-04/ 07	01 = 1/2"	03 = 1/2" - 14 NPT
C18PNBS-3	T26250	0.540	13.7	424AN-02/ 10	474SW-52	474NP-04/ 07	02 = 3/4"	04 = 1/2" - 14 NPT
C18PNBS-4	T26251	0.570	14.5	424AN-02/ 10	474SW-53	474NP-05/ 08	03 = 1"	07 = 3/4" - 14 NPT
C18PNBS-5	T26252	0.610	15.5	424AN-02/ 10	474SW-53	474NP-05/ 08	04 = 1-1/4"	05 = 1/2" - 14 NPT
C18PNBS-6	T26253	0.640	16.3	424AN-02/ 10	474SW-53	474NP-05/ 08	05 = 1-1/2"	08 = 3/4" - 14 NPT
C18PNBS-7	T26254	0.640	16.3	424AN-02/ 10	474SW-53	474NP-05/ 08	06 = 2"	10 = 3/4" - 14 NPT
C18PNBS-8	T26255	0.720	18.3	424AN-03/ 12	474SW-53	474NP-05/ 08	07 = 2-1/2"	14 = 1" - 11-1/2 NPT
C18PNBS-10	T26256	0.750	19.1	424AN-03/ 12	474SW-55	474NP-10/ 14	08 = 3"	15 = 1" - 11-1/2 NPT
C18PNBS-12	T26257	0.770	19.6	424AN-03/ 12	474SW-55	474NP-10/ 14	09 = 3-1/2"	20 = 1-1/4" - 11-1/2 NPT
C18PNBS-16	T26258	0.890	22.6	424AN-04/ 15	474SW-55	474NP-10/ 14	10 = 1/2"	21 = 1-1/4" - 11-1/2 NPT
C18PNBS-20	T26259	0.940	23.9	424AN-04/ 15	474SW-55	474NP-10/ 14	12 = 3/4"	27 = 1-1/2" - 11-1/2 NPT
C18PNBS-24	T26260	1.010	25.7	424AN-04/ 15	474SW-56	474NP-15/ 20	15 = 1"	28 = 1-1/2" - 11-1/2 NPT
C18PNBS-30	T26261	1.100	27.9	424AN-04/ 15	474SW-56	474NP-15/ 20		31 = 2" - 11-1/2 NPT
C18PNBS-37	T26262	1.160	29.5	424AN-05	474SW-56	474NP-15/ 20		32 = 2" - 11-1/2 NPT
C18PNBS-44	T26263	1.280	32.5	424AN-05	474SW-57	474NP-21/ 27		33 = 2" - 11-1/2 NPT
C18PNBS-60	T26264	1.390	35.3	424AN-05	474SW-57	474NP-21/ 27		38 = 2-1/2" - 8 NPT
C18PNBS-91	T26265	1.590	40.4	424AN-06	474SW-58	474NP-28/ 31		39 = 2-1/2" - 8 NPT
								45 = 3" - 8 NPT
								47 = 3" - 8 NPT



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