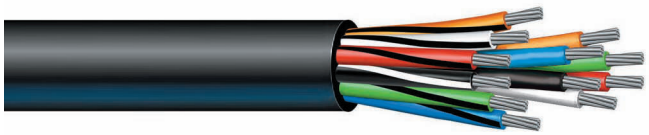
Draka

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 N0. 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 Group

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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	mm²				
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

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				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		

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