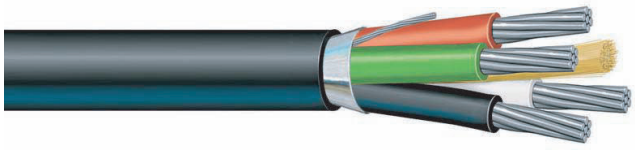
BOSTRIG™ TYPE P SIGNAL CABLE 600V

Overall shielded multiconductor / **unarmored**
TYPE P SIGNAL CABLE **600V, 20, 18 & 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 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. 239- Type CIC

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.

SHIELD: An aluminum/polyester tape with drain wire, 100% coverage, is applied over the cabled core.

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.

Draka Marine, Oil & Gas
+1 281-209-1070 / +1 888-354-CABL (2225)
website: na.prysmiangroup.com/oil-gas

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20 AWG • 0.61 mm²

Type Designation	Draka Number	Number of Conductors	Stranding	Insulation Thickness		Sheath Thickness		Cable Diameter (nominal)		Cable Weight (approximate)	
				in	mm	in	mm	in	mm	Lbs/Mft	Kg/Km
C(OS)20PN-3	T26491	3	19/32	0.030	0.760	0.060	1.5	0.340	8.6	65	95
C(OS)20PN-4	T26492	4	19/32	0.030	0.760	0.060	1.5	0.370	9.4	80	120
C(OS)20PN-5	T26493	5	19/32	0.030	0.760	0.060	1.5	0.400	10.2	90	135
C(OS)20PN-6	T26494	6	19/32	0.030	0.760	0.060	1.5	0.430	10.9	105	155

18 AWG • 0.96 mm²

Type Designation	Draka Number	Number of Conductors	Stranding	Insulation Thickness		Sheath Thickness		Cable Diameter (nominal)		Cable Weight (approximate)	
				in	mm	in	mm	in	mm	Lbs/Mft	Kg/Km
C(OS)18PN-3	------	3	19/30	.030	0.76	0.060	1.5	0.360	9.1	80	120
C(OS)18PN-4	T26496	4	19/30	.030	0.76	0.060	1.5	0.400	10.2	95	140
C(OS)18PN-5	T26497	5	19/30	.030	0.76	0.060	1.5	0.430	10.9	115	170
C(OS)18PN-6	T26498	6	19/30	.030	0.76	0.060	1.5	0.460	11.7	130	195
C(OS)18PN-25	------	25	19/30	.030	0.76	0.060	1.5	0.800	20.3	395	590

16 AWG • 1.23 mm²

Type Designation	Draka Number	Number of Conductors	Stranding	Insulation Thickness		Sheath Thickness		Cable Diameter (nominal)		Cable Weight (approximate)	
				in	mm	in	mm	in	mm	Lbs/Mft	Kg/Km
C(OS)16PN-3	T30645	3	19/29	.030	0.76	0.060	1.5	0.390	9.9	90	135
C(OS)16PN-4	T26500	4	19/29	.030	0.76	0.060	1.5	0.410	10.4	110	165
C(OS)16PN-5	T26501	5	19/29	.030	0.76	0.060	1.5	0.450	11.4	130	195
C(OS)16PN-6	T26502	6	19/29	.030	0.76	0.060	1.5	0.480	12.2	150	225
C(OS)16PN-12	T27052	12	19/29	.030	0.76	0.060	1.5	0.620	15.7	255	380

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.

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20 AWG • 0.61 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)
C(0S)20PN-3	T26491	0.340	8.6	424UB-01	494AB-52/ 53	494NE-04/ 05/ 08
C(0S)20PN-4	T26492	0.370	9.4	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08
C(0S)20PN-5	T26493	0.400	10.2	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08
C(0S)20PN-6	T26494	0.430	10.9	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08

18 AWG • 0.96 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)
C(0S)18PN-3	------	0.360	9.1	424UB-01/ 02	494AB-52/ 53	494NE-04/ 05/ 08
C(0S)18PN-4	T26496	0.400	10.2	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08
C(0S)18PN-5	T26497	0.430	10.9	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08
C(0S)18PN-6	T26498	0.460	11.7	424UB-02	494AB-53/ 55	494NE-05/ 08/ 10/ 14

16 AWG • 1.23 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)
C(0S)16PN-3	T30645	0.390	9.9	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08
C(0S)16PN-4	T26500	0.410	10.4	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08
C(0S)16PN-5	T26501	0.450	11.4	424UB-02	494AB-53	494NE-05/ 08
C(0S)16PN-6	T26502	0.480	12.2	424UB-02	494AB-53/ 55	494NE-05/ 08/ 10/ 14
C(0S)16PN-12	T27052	0.620	15.7	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14

GLAND REFERENCE CHART

Explosion Proof: (Unarmored) Hub Size Reference	Non-Explosion Proof: (Unarmored) - NPT Thread Size Reference
01 = 1/2"	03 = 1/2" - 14 NPT
02 = 3/4"	04 = 1/2" - 14 NPT
03 = 1"	07 = 3/4" - 14 NPT
04 = 1-1/4"	05 = 1/2" - 14 NPT
05 = 1-1/2"	08 = 3/4" - 14 NPT
06 = 2"	10 = 3/4" - 14 NPT
07 = 2-1/2"	14 = 1" - 11-1/2 NPT
08 = 3"	15 = 1" - 11-1/2 NPT
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

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