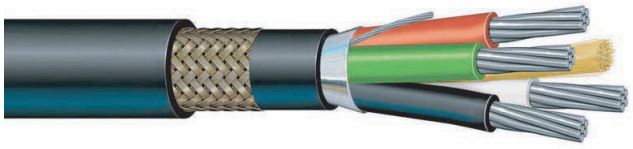
Draka

BOSTRIG™ TYPE P SIGNAL CABLE 600V

Overall shielded multiconductor / **armored and sheathed**
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
- 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.

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.

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 Group
Draka Marine, Oil & Gas
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A brand of the Prysmian Group

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(0S)20PNBS-3	T26503	3	19/32	.030	0.76	0.060	1.5	0.530	13.5	185	275
C(0S)20PNBS-4	T26504	4	19/32	.030	0.76	0.060	1.5	0.560	14.2	210	315
C(0S)20PNBS-5	T26505	5	19/32	.030	0.76	0.060	1.5	0.590	15.0	230	340
C(0S)20PNBS-6	T26506	6	19/32	.030	0.76	0.060	1.5	0.610	15.5	255	380

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(0S)18PNBS-3	T26507	3	19/30	.030	0.76	0.060	1.5	0.540	13.7	205	305
C(0S)18PNBS-4	T26508	4	19/30	.030	0.76	0.060	1.5	0.570	14.5	230	340
C(0S)18PNBS-5	T26509	5	19/30	.030	0.76	0.060	1.5	0.620	15.7	260	385
C(0S)18PNBS-6	T26510	6	19/30	.030	0.76	0.060	1.5	0.630	16.0	286	425
C(0S)18PNBS-25	------	25	19/30	.030	0.76	0.080	2.0	1.110	28.2	705	1050

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(0S)16PNBS-3	T26511	3	19/29	.030	0.76	0.060	1.5	0.570	14.5	220	325
C(0S)16PNBS-4	T26512	4	19/29	.030	0.76	0.060	1.5	0.600	15.2	255	380
C(0S)16PNBS-5	T26513	5	19/29	.030	0.76	0.060	1.5	0.640	16.3	285	425
C(0S)16PNBS-6	T26514	6	19/29	.030	0.76	0.060	1.5	0.670	17.0	315	470
C(0S)16PNBS-12	------	12	19/29	.030	0.76	0.060	1.5	0.820	20.8	470	700

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: Armored	Non-Explosion Proof: Armored	Non-Explosion Proof: Armored
		in	mm		(metric)	(NPT)
C(0S)20PNBS-3	T26503	0.530	13.5	424AN-02/ 10	474SW-52	474NP-04/ 07
C(0S)20PNBS-4	T26504	0.560	14.2	424AN-02/ 10	474SW-52	474NP-04/ 07
C(0S)20PNBS-5	T26505	0.590	15.0	424AN-02/ 10	474SW-53	474NP-05/ 08
C(0S)20PNBS-6	T26506	0.610	15.5	424AN-02/ 10	474SW-53	474NP-05/ 08

18 AWG • 0.96 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)
C(0S)18PNBS-3	T26507	0.540	13.7	424AN-02/ 10	474SW-52	474NP-04/ 07
C(0S)18PNBS-4	T26508	0.570	14.5	424AN-02/ 10	474SW-52	474NP-04/ 07
C(0S)18PNBS-5	T26509	0.620	15.7	424AN-02/ 10	474SW-53	474NP-05/ 08
C(0S)18PNBS-6	T26510	0.630	16.0	424AN-02/ 10	474SW-53	474NP-05/ 08

16 AWG • 1.23 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)
C(0S)16PNBS-3	T26511	0.570	14.5	424AN-02/ 10	474SW-52	474NP-04/ 07
C(0S)16PNBS-4	T26512	0.600	15.2	424AN-02/ 10	474SW-53	474NP-05/ 08
C(0S)16PNBS-5	T26513	0.640	16.3	424AN-02/ 10	474SW-53	474NP-05/ 08
C(0S)16PNBS-6	T26514	0.670	17.0	424AN-02/ 10	474SW-53	474NP-05/ 08

GLAND REFERENCE CHART

Explosion Proof: (Armored) Hub Size Reference	Non-Explosion Proof: (Armored) - 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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