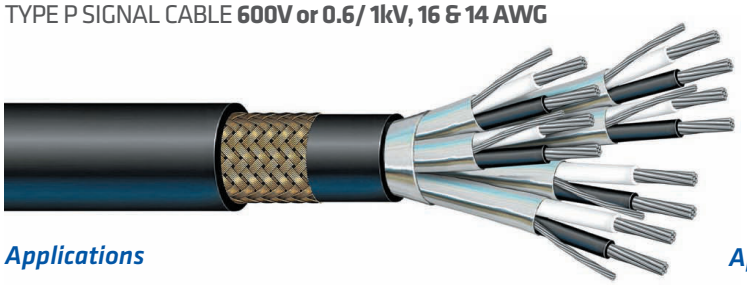
Draka

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

Individual and overall shielded multipair / **armored and sheathed**
TYPE P SIGNAL CABLE **600V or 0.6/ 1kV, 16 & 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 & 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 each twisted pair and the cabled core. The single pair construction has only the overall shield and drain wire.

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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16 AWG • 1.23 mm²

Type Designation	Draka Number	Number of Pairs	Insulation Thickness		Sheath Thickness		Cable Diameter (nominal)		Character Impedance		Inductance		Capacitance		Cable Weight (approximate)	
			in	mm	in	mm	in	mm	Ω/kft	Ω/km	mH/kft	mH/km	pF/ft	pF/m	Lbs/Mft	Kg/Km
TP(0S)16PNBS-1	T26429	1	.030	0.76	0.060	1.5	0.540	13.7	68	223	0.12	39	25	82	200	300
TP(I/S-0S)16PNBS-2	T26430	2	.030	0.76	0.060	1.5	0.770	19.6	68	223	0.12	39	25	82	360	535
TP(I/S-0S)16PNBS-3	T26431	3	.030	0.76	0.060	1.5	0.800	20.3	68	223	0.12	39	25	82	420	625
TP(I/S-0S)16PNBS-4	T26432	4	.030	0.76	0.080	2.0	0.900	22.9	68	223	0.12	39	25	82	520	775
TP(I/S-0S)16PNBS-5	T26433	5	.030	0.76	0.080	2.0	0.980	24.9	68	223	0.12	39	25	82	590	880
TP(I/S-0S)16PNBS-6	T26434	6	.030	0.76	0.080	2.0	1.030	26.2	68	223	0.12	39	25	82	610	910
TP(I/S-0S)16PNBS-7	T26435	7	.030	0.76	0.080	2.0	1.010	25.7	68	223	0.12	39	25	82	670	995
TP(I/S-0S)16PNBS-8	T26436	8	.030	0.76	0.080	2.0	1.140	29.0	68	223	0.12	39	25	82	855	1,270
TP(I/S-0S)16PNBS-10	T26437	10	.030	0.76	0.080	2.0	1.240	31.5	68	223	0.12	39	25	82	945	1,405
TP(I/S-0S)16PNBS-12	T26438	12	.030	0.76	0.080	2.0	1.250	31.8	68	223	0.12	39	25	82	1,030	1,535
TP(I/S-0S)16PNBS-16	T26439	16	.030	0.76	0.080	2.0	1.400	35.6	68	223	0.12	39	25	82	1,275	1,895
TP(I/S-0S)16PNBS-20	T26440	20	.030	0.76	0.110	2.8	1.770	45.0	68	223	0.12	39	25	82	1,785	2,655
TP(I/S-0S)16PNBS-24	T26441	24	.030	0.76	0.110	2.8	1.810	46.0	68	223	0.12	39	25	82	1,730	2,575

14 AWG • 1.94 mm²

Type Designation	Draka Number	Number of Pairs	Insulation Thickness		Sheath Thickness		Cable Diameter (nominal)		Character Impedance		Inductance		Capacitance		Cable Weight (approximate)	
			in	mm	in	mm	in	mm	Ω/kft	Ω/km	mH/kft	mH/km	pF/ft	pF/m	Lbs/Mft	Kg/Km
TP(0S)14PNBS-1	T26693	1	.030	0.76	0.060	1.5	0.580	14.7	60	197	0.10	33	28	92	235	350
TP(I/S-0S)14PNBS-2	T26443	2	.030	0.76	0.060	1.5	0.820	20.8	68	223	0.12	39	25	82	410	610
TP(I/S-0S)14PNBS-3	T26444	3	.030	0.76	0.080	2.0	0.890	22.6	68	223	0.12	39	25	82	535	795
TP(I/S-0S)14PNBS-4	T26445	4	.030	0.76	0.080	2.0	0.960	24.4	68	223	0.12	39	25	82	605	900
TP(I/S-0S)14PNBS-5	T26446	5	.030	0.76	0.080	2.0	1.030	26.2	68	223	0.12	39	25	82	650	965
TP(I/S-0S)14PNBS-6	T26447	6	.030	0.76	0.080	2.0	1.140	29.0	68	223	0.12	39	25	82	780	1,160
TP(I/S-0S)14PNBS-7	T26448	7	.030	0.76	0.080	2.0	1.150	29.2	68	223	0.12	39	25	82	875	1,300
TP(I/S-0S)14PNBS-8	T26449	8	.030	0.76	0.080	2.0	1.190	30.2	68	223	0.12	39	25	82	995	1,480
TP(I/S-0S)14PNBS-10	T26450	10	.030	0.76	0.080	2.0	1.290	32.8	68	223	0.12	39	25	82	1,030	1,535
TP(I/S-0S)14PNBS-12	T26451	12	.030	0.76	0.080	2.0	1.380	35.1	68	223	0.12	39	25	82	1,260	1,875
TP(I/S-0S)14PNBS-16	T26452	16	.030	0.76	0.080	2.0	1.520	38.6	68	223	0.12	39	25	82	1,525	2,270
TP(I/S-0S)14PNBS-20	T26453	20	.030	0.76	0.110	2.8	1.800	45.7	68	223	0.12	39	25	82	1,960	2,915
TP(I/S-0S)14PNBS-24	T26454	24	.030	0.76	0.110	2.8	1.950	49.5	68	223	0.12	39	25	82	2,440	3,630

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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16 AWG • 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)		
TP(0S)16PNBS-1	T26429	0.540	13.7	424AN-01/ 02/ 10	474SW-52	474NP-04/ 07	01 = 1/2"	03 = 1/2" - 14 NPT
TP(I/S-0S)16PNBS-2	T26430	0.770	19.6	424AN-03/ 12	474SW-55	474NP-10/ 14	02 = 3/4"	04 = 1/2" - 14 NPT
TP(I/S-0S)16PNBS-3	T26431	0.800	20.3	424AN-03/ 12	474SW-55	474NP-10/ 14	03 = 1"	07 = 3/4" - 14 NPT
TP(I/S-0S)16PNBS-4	T26432	0.900	22.9	424AN-04/ 15	474SW-55	474NP-10/ 14	04 = 1-1/4"	05 = 1/2" - 14 NPT
TP(I/S-0S)16PNBS-5	T26433	0.980	24.9	424AN-04/ 15	474SW-55	474NP-10/ 14	05 = 1-1/2"	08 = 3/4" - 14 NPT
TP(I/S-0S)16PNBS-6	T26434	1.030	26.2	424AN-04/ 15	474SW-56	474NP-15/ 20	06 = 2"	10 = 3/4" - 14 NPT
TP(I/S-0S)16PNBS-7	T26435	1.010	25.7	424AN-04/ 15	474SW-56	474NP-15/ 20	07 = 2-1/2"	14 = 1" - 11-1/2 NPT
TP(I/S-0S)16PNBS-8	T26436	1.140	29.0	424AN-05	474SW-56	474NP-15/ 20	08 = 3"	15 = 1" - 11-1/2 NPT
TP(I/S-0S)16PNBS-10	T26437	1.240	31.5	424AN-05	474SW-56	474NP-15/ 20	09 = 3-1/2"	20 = 1-1/4" - 11-1/2 NPT
TP(I/S-0S)16PNBS-12	T26438	1.250	31.8	424AN-05	474SW-57	474NP-21/ 27	10 = 1/2"	21 = 1-1/4" - 11-1/2 NPT
TP(I/S-0S)16PNBS-16	T26439	1.400	35.6	424AN-05	474SW-57	474NP-21/ 27	12 = 3/4"	27 = 1-1/2" - 11-1/2 NPT
TP(I/S-0S)16PNBS-20	T26440	1.770	45.0	424AN-06	474SW-58	474NP-28/ 31	15 = 1"	28 = 1-1/2" - 11-1/2 NPT
TP(I/S-0S)16PNBS-24	T26441	1.810	46.0	424AN-06	474SW-59	474NP-32		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

14 AWG • 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)		
TP(0S)14PNBS-1	T26693	0.580	14.7	424AN-01/ 02/ 10	474SW-52	474NP-04/ 07	01 = 1/2"	03 = 1/2" - 14 NPT
TP(I/S-0S)14PNBS-2	T26443	0.820	20.8	424AN-03/ 12	474SW-55	474NP-10/ 14	02 = 3/4"	04 = 1/2" - 14 NPT
TP(I/S-0S)14PNBS-3	T26444	0.890	22.6	424AN-03/ 04/ 12/ 15	474SW-55	474NP-10/ 14	03 = 1"	07 = 3/4" - 14 NPT
TP(I/S-0S)14PNBS-4	T26445	0.960	24.4	424AN-04/ 15	474SW-55	474NP-10/ 14	04 = 1-1/4"	05 = 1/2" - 14 NPT
TP(I/S-0S)14PNBS-5	T26446	1.030	26.2	424AN-04/ 15	474SW-56	474NP-15/ 20	05 = 1-1/2"	08 = 3/4" - 14 NPT
TP(I/S-0S)14PNBS-6	T26447	1.140	29.0	424AN-05	474SW-56	474NP-15/ 20	06 = 2"	10 = 3/4" - 14 NPT
TP(I/S-0S)14PNBS-7	T26448	1.150	29.2	424AN-05	474SW-56	474NP-15/ 20	07 = 2-1/2"	14 = 1" - 11-1/2 NPT
TP(I/S-0S)14PNBS-8	T26449	1.190	30.2	424AN-05	474SW-56	474NP-15/ 20	08 = 3"	15 = 1" - 11-1/2 NPT
TP(I/S-0S)14PNBS-10	T26450	1.290	32.8	424AN-05	474SW-57	474NP-21/ 27	09 = 3-1/2"	20 = 1-1/4" - 11-1/2 NPT
TP(I/S-0S)14PNBS-12	T26451	1.380	35.1	424AN-05	474SW-57	474NP-21/ 27	10 = 1/2"	21 = 1-1/4" - 11-1/2 NPT
TP(I/S-0S)14PNBS-16	T26452	1.520	38.6	424AN-06	474SW-57	474NP-21/ 27	12 = 3/4"	27 = 1-1/2" - 11-1/2 NPT
TP(I/S-0S)14PNBS-20	T26453	1.800	45.7	424AN-06	474SW-58	474NP-28/ 31	15 = 1"	28 = 1-1/2" - 11-1/2 NPT
TP(I/S-0S)14PNBS-24	T26454	1.950	49.5	424AN-07	474SW-59	474NP-32		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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