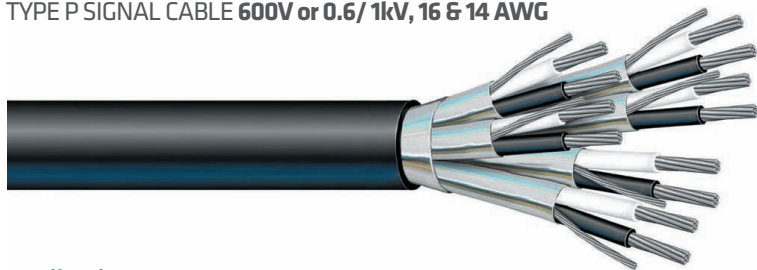




BOSTRIG™ TYPE P SIGNAL CABLE 600V OR 0.6/1kV

Individual and overall shielded multipair / **unarmored**
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
- 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 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.



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Prysmian
Group

16 AWG • 1.23 mm²

Type Designation	Draka Number	Number of Pairs	Insulation Thickness		Sheath Thickness		Cable Diameter (nominal)		Cable Weight (approximate)	
			in	mm	in	mm	in	mm	Lbs/Mft	Kg/Km
TP(0S)16PN-1	T26364	1	.030	0.76	0.060	1.5	0.360	9.1	75	110
TP(I/S-0S)16PN-2	T26365	2	.030	0.76	0.060	1.5	0.580	14.7	160	240
TP(I/S-0S)16PN-3	T26366	3	.030	0.76	0.060	1.5	0.620	15.7	210	315
TP(I/S-0S)16PN-4	T26367	4	.030	0.76	0.060	1.5	0.670	17.0	250	370
TP(I/S-0S)16PN-5	T26368	5	.030	0.76	0.060	1.5	0.750	19.1	295	440
TP(I/S-0S)16PN-6	T26369	6	.030	0.76	0.060	1.5	0.790	20.1	375	560
TP(I/S-0S)16PN-7	T26370	7	.030	0.76	0.060	1.5	0.790	20.1	365	545
TP(I/S-0S)16PN-8	T26371	8	.030	0.76	0.080	2.0	0.900	22.9	485	720
TP(I/S-0S)16PN-10	T26372	10	.030	0.76	0.080	2.0	1.020	25.9	545	810
TP(I/S-0S)16PN-12	T26373	12	.030	0.76	0.080	2.0	1.030	26.2	625	930
TP(I/S-0S)16PN-16	T26374	16	.030	0.76	0.080	2.0	1.180	30.0	795	1,185
TP(I/S-0S)16PN-20	T26375	20	.030	0.76	0.080	2.0	1.310	33.3	1,085	1,615
TP(I/S-0S)16PN-24	T26376	24	.030	0.76	0.080	2.0	1.420	36.1	1,130	1,680

14 AWG • 1.94 mm²

Type Designation	Draka Number	Number of Pairs	Insulation Thickness		Sheath Thickness		Cable Diameter (nominal)		Cable Weight (approximate)	
			in	mm	in	mm	in	mm	Lbs/Mft	Kg/Km
TP(0S)14PN-1	T26377	1	.030	0.76	0.060	1.5	0.390	9.9	90	135
TP(I/S-0S)14PN-2	T26378	2	.030	0.76	0.060	1.5	0.640	16.3	195	290
TP(I/S-0S)14PN-3	T26379	3	.030	0.76	0.060	1.5	0.670	17.0	275	410
TP(I/S-0S)14PN-4	T26380	4	.030	0.76	0.060	1.5	0.730	18.5	320	475
TP(I/S-0S)14PN-5	T26381	5	.030	0.76	0.060	1.5	0.810	20.6	345	515
TP(I/S-0S)14PN-6	T26382	6	.030	0.76	0.080	2.0	0.920	23.4	450	670
TP(I/S-0S)14PN-7	T26383	7	.030	0.76	0.080	2.0	0.930	23.6	510	760
TP(I/S-0S)14PN-8	T26384	8	.030	0.76	0.080	2.0	0.970	24.6	620	925
TP(I/S-0S)14PN-10	T26385	10	.030	0.76	0.080	2.0	1.130	28.7	710	1,055
TP(I/S-0S)14PN-12	T26386	12	.030	0.76	0.080	2.0	1.170	29.7	805	1,200
TP(I/S-0S)14PN-16	T26387	16	.030	0.76	0.080	2.0	1.300	33.0	975	1,450
TP(I/S-0S)14PN-20	T26388	20	.030	0.76	0.080	2.0	1.490	37.8	1,280	1,905
TP(I/S-0S)14PN-24	T26389	24	.030	0.76	0.080	2.0	1.650	41.9	1,515	2,255

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: 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)		
TP(OS)16PN-1	T26364	0.360	9.1	424UB-01/ 02	494AB-52/ 53	494NE-04/ 05/ 08	01 = 1/2"	03 = 1/2" - 14 NPT
TP(I/S-OS)16PN-2	T26365	0.580	14.7	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	02 = 1/2"	04 = 1/2" - 14 NPT
TP(I/S-OS)16PN-3	T26366	0.620	15.7	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	03 = 3/4"	05 = 1/2" - 14 NPT
TP(I/S-OS)16PN-4	T26367	0.670	17.0	424UB-03/ 04	494AB-55	494NE-10/ 14	04 = 1"	08 = 3/4" - 14 NPT
TP(I/S-OS)16PN-5	T26368	0.750	19.1	424UB-03/ 04	494AB-55/ 56	494NE-10/ 14/ 15/ 20	05 = 1-1/4"	10 = 3/4" - 14 NPT
TP(I/S-OS)16PN-6	T26369	0.790	20.1	424UB-04	494AB-55/ 56	494NE-10/ 14/ 15/ 20	15 = 1-1/2"	14 = 1" - 11-1/2 NPT
TP(I/S-OS)16PN-7	T26370	0.790	20.1	424UB-04	494AB-55/ 56	494NE-10/ 14/ 15/ 20	06 = 2"	15 = 1" - 11-1/2 NPT
TP(I/S-OS)16PN-8	T26371	0.900	22.9	424UB-04	494AB-56	494NE-15/ 20	07 = 2-1/2"	20 = 1-1/4" - 11-1/2 NPT
TP(I/S-OS)16PN-10	T26372	1.020	25.9	424UB-04/ 05/ 15	494AB-56/ 57	494NE-15/ 20/ 21/ 27	08 = 3"	21 = 1-1/4" - 11-1/2 NPT
TP(I/S-OS)16PN-12	T26373	1.030	26.2	424UB-04/ 05/ 15	494AB-56/ 56	494NE-15/ 20/ 21/ 27	09 = 3-1/2"	27 = 1-1/2" - 11-1/2 NPT
TP(I/S-OS)16PN-16	T26374	1.180	30.0	424UB-05/ 15/ 06	494AB-57	494NE-21/ 27		32 = 2" - 11-1/2 NPT
TP(I/S-OS)16PN-20	T26375	1.310	33.3	424UB-06	494AB-57/ 59	494NE-21/ 27/ 32		38 = 2-1/2" - 8 NPT
TP(I/S-OS)16PN-24	T26376	1.420	36.1	424UB-06	494AB-59	494NE-32		44 = 3" - 8 NPT
								45 = 3" - 8 NPT

14 AWG • 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)		
TP(OS)14PN-1	T26377	0.390	9.9	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08	01 = 1/2"	03 = 1/2" - 14 NPT
TP(I/S-OS)14PN-2	T26378	0.640	16.3	424UB-03	494AB-55	494NE-10/ 14	02 = 1/2"	04 = 1/2" - 14 NPT
TP(I/S-OS)14PN-3	T26379	0.670	17.0	424UB-03/ 04	494AB-55	494NE-10/ 14	03 = 3/4"	05 = 1/2" - 14 NPT
TP(I/S-OS)14PN-4	T26380	0.730	18.5	424UB-03/ 04	494AB-55	494NE-10/ 14	04 = 1"	08 = 3/4" - 14 NPT
TP(I/S-OS)14PN-5	T26381	0.810	20.6	424UB-04	494AB-55/ 56	494NE-10/ 14/ 15/ 20	05 = 1-1/4"	10 = 3/4" - 14 NPT
TP(I/S-OS)14PN-6	T26382	0.920	23.4	424UB-04	494AB-56	494NE-15/ 20	15 = 1-1/2"	14 = 1" - 11-1/2 NPT
TP(I/S-OS)14PN-7	T26383	0.930	23.6	424UB-04	494AB-56	494NE-15/ 20	06 = 2"	15 = 1" - 11-1/2 NPT
TP(I/S-OS)14PN-8	T26384	0.970	24.6	424UB-04/ 05/ 15	494AB-56/ 57	494NE-15/ 20/ 21/ 27	07 = 2-1/2"	20 = 1-1/4" - 11-1/2 NPT
TP(I/S-OS)14PN-10	T26385	1.130	28.7	424UB-05/ 15	494AB-57	494NE-21/ 27	08 = 3"	21 = 1-1/4" - 11-1/2 NPT
TP(I/S-OS)14PN-12	T26386	1.170	29.7	424UB-05/ 15/ 06	494AB-57	494NE-21/ 27	09 = 3-1/2"	27 = 1-1/2" - 11-1/2 NPT
TP(I/S-OS)14PN-16	T26387	1.300	33.0	424UB-06	494AB-57/ 59	494NE-21/ 27/ 32		32 = 2" - 11-1/2 NPT
TP(I/S-OS)14PN-20	T26388	1.490	37.8	424UB-06	494AB-59	494NE-32		38 = 2-1/2" - 8 NPT
TP(I/S-OS)14PN-24	T26389	1.650	41.9	424UB-06/07	494AB-61	494NE-38		44 = 3" - 8 NPT
								45 = 3" - 8 NPT