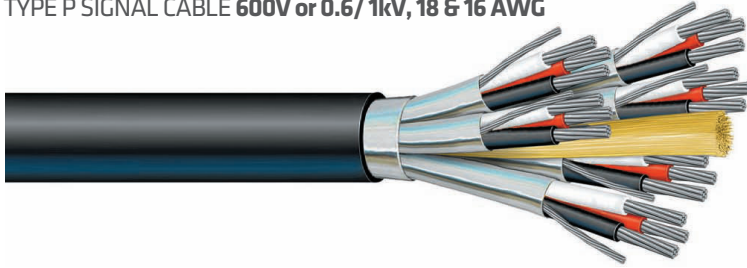




BOSTRIG™ TYPE P SIGNAL CABLE

Individual and overall shielded multi-triad / **unarmored**
TYPE P SIGNAL CABLE **600V or 0.6/1kV, 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
CSA 22.2 No. 230- Type TC
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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A brand of the

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Group

18 AWG • 0.96 mm²

Type Designation	Draka Number	Number of Triads	Insulation Thickness		Sheath Thickness		Cable Diameter (nominal)		Cable Weight (approximate)	
			in	mm	in	mm	in	mm	Lbs/Mft	Kg/Km
TT(0S)18PN-1	-----	1	.030	0.76	0.060	1.5	0.360	9.1	75	110
TT(I/S-0S)18PN-2	T26456	2	.030	0.76	0.060	1.5	0.610	15.5	175	260
TT(I/S-0S)18PN-3	T26457	3	.030	0.76	0.060	1.5	0.640	16.3	210	315
TT(I/S-0S)18PN-4	T26458	4	.030	0.76	0.060	1.5	0.710	18.0	265	395
TT(I/S-0S)18PN-5	T26459	5	.030	0.76	0.060	1.5	0.780	19.8	315	470
TT(I/S-0S)18PN-6	T26460	6	.030	0.76	0.080	2.0	0.880	22.4	390	580
TT(I/S-0S)18PN-8	T26461	8	.030	0.76	0.080	2.0	0.960	24.4	505	750
TT(I/S-0S)18PN-12	T26462	12	.030	0.76	0.080	2.0	1.170	29.7	710	1,055
TT(I/S-0S)18PNBS-16	T26481	16	.030	0.76	0.080	2.0	1.510	38.4	1,450	2,160

16 AWG • 1.23 mm²

Type Designation	Draka Number	Number of Triads	Insulation Thickness		Sheath Thickness		Cable Diameter (nominal)		Cable Weight (approximate)	
			in	mm	in	mm	in	mm	Lbs/Mft	Kg/Km
TT(0S)16PN-1	T26625	1	.030	0.76	0.060	1.5	0.380	9.7	90	135
TT(I/S-0S)16PN-2	T26465	2	.030	0.76	0.060	1.5	0.630	16.0	195	290
TT(I/S-0S)16PN-3	T26466	3	.030	0.76	0.060	1.5	0.670	17.0	280	415
TT(I/S-0S)16PN-4	T26467	4	.030	0.76	0.060	1.5	0.710	18.0	325	485
TT(I/S-0S)16PN-5	T26468	5	.030	0.76	0.060	1.5	0.820	20.8	355	530
TT(I/S-0S)16PN-6	T26469	6	.030	0.76	0.080	2.0	0.870	22.1	465	690
TT(I/S-0S)16PN-8	T26470	8	.030	0.76	0.080	2.0	1.000	25.4	590	880
TT(I/S-0S)16PN-12	T26471	12	.030	0.76	0.080	2.0	1.210	30.7	845	1,255
TT(I/S-0S)16PN-16	T26472	16	.030	0.76	0.080	2.0	1.360	34.5	1,165	1,735

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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18 AWG • 0.96 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					
TT(0S)18PN-1	-----	0.360	9.1	424UB-01/ 02	494AB-52/ 53	494NE-04/ 05/ 08	01 = 1/2"	03 = 1/2" - 14 NPT
TT(I/S-0S)18PN-2	T26456	0.610	15.5	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	02 = 1/2"	04 = 1/2" - 14 NPT
TT(I/S-0S)18PN-3	T26457	0.640	16.3	424UB-03	494AB-55	494NE-10/ 14	03 = 3/4"	05 = 1/2" - 14 NPT
TT(I/S-0S)18PN-4	T26458	0.710	18.0	424UB-03/ 04	494AB-55	494NE-10/ 14	04 = 1"	08 = 3/4" - 14 NPT
TT(I/S-0S)18PN-5	T26459	0.780	19.8	424UB-04	494AB-55/ 56	494NE-10/ 14/ 15/ 20	05 = 1 1/4"	10 = 3/4" - 14 NPT
TT(I/S-0S)18PN-6	T26460	0.880	22.4	424UB-04	494AB-56	494NE-15/ 20	15 = 1 1/2"	14 = 1" - 11 1/2 NPT
TT(I/S-0S)18PN-8	T26461	0.960	24.4	424UB-04/ 05/ 15	494AB-56/ 57	494NE-15/ 20/ 21/ 27	06 = 2"	15 = 1" - 11 1/2 NPT
TT(I/S-0S)18PN-12	T26462	1.170	29.7	424UB-05/ 15/ 06	494AB-57	494NE-21/ 27	07 = 2 1/2"	20 = 1 1/4" - 11 1/2 NPT
							08 = 3"	21 = 1 1/4" - 11 1/2 NPT
							09 = 3 1/2"	27 = 1 1/2" - 11 1/2 NPT
								32 = 2" - 11 1/2 NPT
								38 = 2 1/2" - 8 NPT
								44 = 3" - 8 NPT
								45 = 3" - 8 NPT

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					
TT(0S)16PN-1	T26625	0.380	9.7	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08	01 = 1/2"	03 = 1/2" - 14 NPT
TT(I/S-0S)16PN-2	T26465	0.630	16.0	424UB-03	494AB-55	494NE-10/ 14	02 = 1/2"	04 = 1/2" - 14 NPT
TT(I/S-0S)16PN-3	T26466	0.670	17.0	424UB-03/ 04	494AB-55	494NE-10/ 14	03 = 3/4"	05 = 1/2" - 14 NPT
TT(I/S-0S)16PN-4	T26467	0.710	18.0	424UB-03/ 04	494AB-55	494NE-10/ 14	04 = 1"	08 = 3/4" - 14 NPT
TT(I/S-0S)16PN-5	T26468	0.820	20.8	424UB-04	494AB-55/ 56	494NE-10/ 14/ 15/ 20	05 = 1-1/4"	10 = 3/4" - 14 NPT
TT(I/S-0S)16PN-6	T26469	0.870	22.1	424UB-04	494AB-56	494NE-15/ 20	15 = 1-1/2"	14 = 1" - 11-1/2 NPT
TT(I/S-0S)16PN-8	T26470	1.000	25.4	424UB-04/ 05/ 15	494AB-56/ 57	494NE-15/ 20/ 21/ 27	06 = 2"	15 = 1" - 11-1/2 NPT
TT(I/S-0S)16PN-12	T26471	1.210	30.7	424UB-05/ 15/ 06	494AB-57	494NE-21/ 27	07 = 2-1/2"	20 = 1-1/4" - 11-1/2 NPT
TT(I/S-0S)16PN-16	T26472	1.360	34.5	424UB-06	494AB-59	494NE-32	08 = 3"	21 = 1-1/4" - 11-1/2 NPT
							09 = 3-1/2"	27 = 1-1/2" - 11-1/2 NPT
								32 = 2" - 11-1/2 NPT
								38 = 2-1/2" - 8 NPT
								44 = 3" - 8 NPT
								45 = 3" - 8 NPT