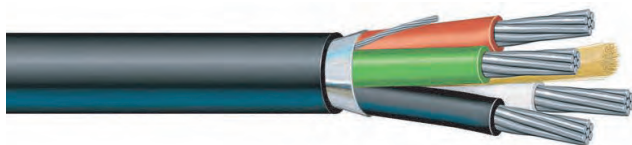


BOSTRIG™ TYPE P SIGNAL CABLE 600V

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.



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BOSTRIG™ TYPE P SIGNAL CABLE 600V

Overall shielded multiconductor / **unarmored**
TYPE P SIGNAL CABLE **600V, 20, 18 & 16 AWG**

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)20PN-3	T26491	3	19/32	0.030	0.760	0.060	1.5	0.340	8.6	65	95
C(0S)20PN-4	T26492	4	19/32	0.030	0.760	0.060	1.5	0.370	9.4	80	120
C(0S)20PN-5	T26493	5	19/32	0.030	0.760	0.060	1.5	0.400	10.2	90	135
C(0S)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(0S)18PN-3	-----	3	19/30	.030	0.76	0.060	1.5	0.360	9.1	80	120
C(0S)18PN-4	T26496	4	19/30	.030	0.76	0.060	1.5	0.400	10.2	95	140
C(0S)18PN-5	T26497	5	19/30	.030	0.76	0.060	1.5	0.430	10.9	115	170
C(0S)18PN-6	T26498	6	19/30	.030	0.76	0.060	1.5	0.460	11.7	130	195
C(0S)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(0S)16PN-3	T30645	3	19/29	.030	0.76	0.060	1.5	0.390	9.9	90	135
C(0S)16PN-4	T26500	4	19/29	.030	0.76	0.060	1.5	0.410	10.4	110	165
C(0S)16PN-5	T26501	5	19/29	.030	0.76	0.060	1.5	0.450	11.4	130	195
C(0S)16PN-6	T26502	6	19/29	.030	0.76	0.060	1.5	0.480	12.2	150	225
C(0S)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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BOSTRIG™ TYPE P SIGNAL CABLE 600V

Overall shielded multiconductor / **unarmored**

TYPE P SIGNAL CABLE **600V, 20, 18 & 16 AWG**

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(OS)20PN-3	T26491	0.340	8.6	424UB-01	494AB-52/ 53	494NE-04/ 05/ 08
C(OS)20PN-4	T26492	0.370	9.4	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08
C(OS)20PN-5	T26493	0.400	10.2	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08
C(OS)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(OS)18PN-3	-----	0.360	9.1	424UB-01/ 02	494AB-52/ 53	494NE-04/ 05/ 08
C(OS)18PN-4	T26496	0.400	10.2	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08
C(OS)18PN-5	T26497	0.430	10.9	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08
C(OS)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(OS)16PN-3	T30645	0.390	9.9	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08
C(OS)16PN-4	T26500	0.410	10.4	424UB-02	494AB-52/ 53	494NE-04/ 05/ 08
C(OS)16PN-5	T26501	0.450	11.4	424UB-02	494AB-53	494NE-05/ 08
C(OS)16PN-6	T26502	0.480	12.2	424UB-02	494AB-53/ 55	494NE-05/ 08/ 10/ 14
C(OS)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



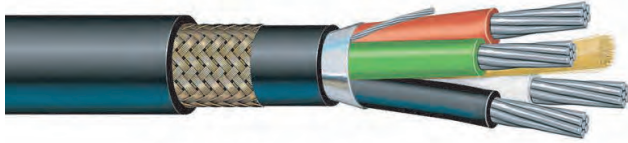
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BOSTRIG™ TYPE P SIGNAL CABLE 600V

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.



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BOSTRIG™ TYPE P SIGNAL CABLE 600V

Overall shielded multiconductor / **armored and sheathed**

TYPE P SIGNAL CABLE **600V, 20, 18 & 16 AWG**

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

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BOSTRIG™ TYPE P SIGNAL CABLE 600V

Overall shielded multiconductor / **armored and sheathed**

TYPE P SIGNAL CABLE **600V, 20, 18 & 16 AWG**

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
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	39 = 2-1/2" - 8 NPT
	45 = 3" - 8 NPT
	47 = 3" - 8 NPT



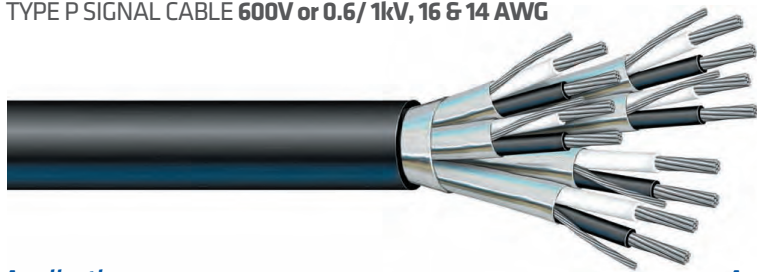
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BOSTRIG™ TYPE P SIGNAL CABLE 600V OR 0.6/1kV

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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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**

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.

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**

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



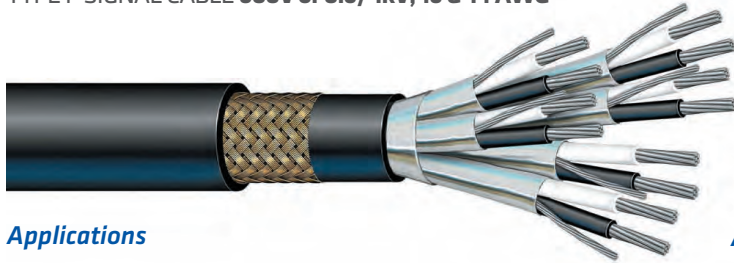
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BOSTRIG™ TYPE P SIGNAL CABLE 600V OR 0.6/1kV

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.



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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**

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(OS)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-OS)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-OS)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-OS)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-OS)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-OS)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-OS)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-OS)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-OS)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-OS)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-OS)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-OS)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-OS)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(OS)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-OS)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-OS)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-OS)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-OS)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-OS)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-OS)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-OS)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-OS)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-OS)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-OS)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-OS)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-OS)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

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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**

16 AWG • 1.23 mm²

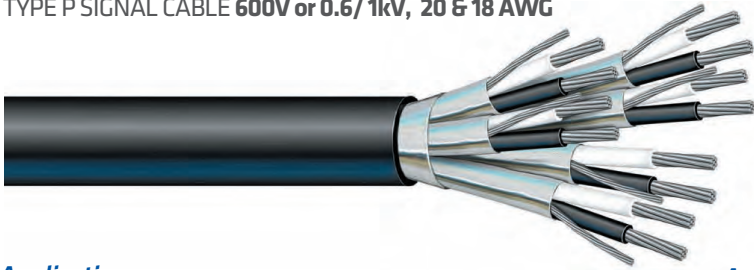
				GLAND SELECTION			GLAND REFERENCE CHART	
Type Designation	Draka Number	Cable Diameter (nominal)		Explosion Proof: Armored	Non-Explosion Proof: Armored	Non-Explosion Proof: Armored	Explosion Proof: (Armored) Hub Size Reference	Non-Explosion Proof: (Armored) - NPT Thread Size Reference
		in	mm		(metric)	(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

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, 20 & 18 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 and 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, mud, 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 as Type TC (#18 AWG)
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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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, 20 & 18 AWG**

20 AWG • 0.61 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)20PN-1	T26338	1	.030	0.76	0.060	1.5	0.340	8.6	60	90
TP(I/S-0S)20PN-2	T26339	2	.030	0.76	0.060	1.5	0.520	13.2	130	195
TP(I/S-0S)20PN-3	T26340	3	.030	0.76	0.060	1.5	0.550	14.0	150	225
TP(I/S-0S)20PN-4	T26341	4	.030	0.76	0.060	1.5	0.600	15.2	185	275
TP(I/S-0S)20PN-5	T26342	5	.030	0.76	0.060	1.5	0.650	16.5	215	320
TP(I/S-0S)20PN-6	T26343	6	.030	0.76	0.060	1.5	0.700	17.8	215	320
TP(I/S-0S)20PN-7	T26344	7	.030	0.76	0.060	1.5	0.700	17.8	230	340
TP(I/S-0S)20PN-8	T26345	8	.030	0.76	0.060	1.5	0.760	19.3	290	430
TP(I/S-0S)20PN-10	T26346	10	.030	0.76	0.080	2.0	0.900	22.9	360	535
TP(I/S-0S)20PN-12	T26347	12	.030	0.76	0.080	2.0	0.930	23.6	440	655
TP(I/S-0S)20PN-16	T26348	16	.030	0.76	0.080	2.0	1.030	26.2	510	760
TP(I/S-0S)20PN-20	T26349	20	.030	0.76	0.080	2.0	1.130	28.7	600	895
TP(I/S-0S)20PN-24	T26350	24	.030	0.76	0.080	2.0	1.360	34.5	830	1,235

18 AWG • 0.96 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)18PN-1	-----	1	.030	0.76	0.060	1.5	0.350	8.9	65	95
TP(I/S-0S)18PN-2	T26352	2	.030	0.76	0.060	1.5	0.530	13.5	135	200
TP(I/S-0S)18PN-3	T26353	3	.030	0.76	0.060	1.5	0.590	15.0	190	285
TP(I/S-0S)18PN-4	T26354	4	.030	0.76	0.060	1.5	0.640	16.3	215	320
TP(I/S-0S)18PN-5	T26355	5	.030	0.76	0.060	1.5	0.700	17.8	255	380
TP(I/S-0S)18PN-6	T26356	6	.030	0.76	0.060	1.5	0.750	19.1	295	440
TP(I/S-0S)18PN-7	T26357	7	.030	0.76	0.060	1.5	0.760	19.3	340	505
TP(I/S-0S)18PN-8	T26358	8	.030	0.76	0.060	1.5	0.820	20.8	360	535
TP(I/S-0S)18PN-10	T26359	10	.030	0.76	0.080	2.0	0.970	24.6	480	715
TP(I/S-0S)18PN-12	T26360	12	.030	0.76	0.080	2.0	0.970	24.6	530	790
TP(I/S-0S)18PN-16	T26361	16	.030	0.76	0.080	2.0	1.110	28.2	685	1,020
TP(I/S-0S)18PN-20	T26362	20	.030	0.76	0.080	2.0	1.220	31.0	835	1,245
TP(I/S-0S)18PN-24	T26363	24	.030	0.76	0.080	2.0	1.380	35.1	980	1,460

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.

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, 20 & 18 AWG**

20 AWG • 0.61 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(0S)20PN-1	T26338	0.340	8.6	424UB-01	494AB-52/ 53	494NE-04/ 05/ 08	01 = 1/2"	03 = 1/2" - 14 NPT
TP(I/S-0S)20PN-2	T26339	0.520	13.2	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	02 = 1/2"	04 = 1/2" - 14 NPT
TP(I/S-0S)20PN-3	T26340	0.550	14.0	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	03 = 3/4"	05 = 1/2" - 14 NPT
TP(I/S-0S)20PN-4	T26341	0.600	15.2	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	04 = 1"	08 = 3/4" - 14 NPT
TP(I/S-0S)20PN-5	T26342	0.650	16.5	424UB-03	494AB-55	494NE-10/ 14	05 = 1-1/4"	10 = 3/4" - 14 NPT
TP(I/S-0S)20PN-6	T26343	0.700	17.8	424UB-03/ 04	494AB-55	494NE-10/ 14	15 = 1-1/2"	14 = 1" - 11-1/2 NPT
TP(I/S-0S)20PN-7	T26344	0.700	17.8	424UB-03/ 04	494AB-55	494NE-10/ 14	06 = 2"	15 = 1" - 11-1/2 NPT
TP(I/S-0S)20PN-8	T26345	0.760	19.3	424UB-03/ 04	494AB-55/ 56	494NE-10/ 14/ 15/ 20	07 = 2-1/2"	20 = 1-1/4" - 11-1/2 NPT
TP(I/S-0S)20PN-10	T26346	0.900	22.9	424UB-04	494AB-56	494NE-15/ 20	08 = 3"	21 = 1-1/4" - 11-1/2 NPT
TP(I/S-0S)20PN-12	T26347	0.930	23.6	424UB-04	494AB-56	494NE-15/ 20	09 = 3-1/2"	27 = 1-1/2" - 11-1/2 NPT
TP(I/S-0S)20PN-16	T26348	1.030	26.2	424UB-04/ 05/ 15	494AB-56/ 57	494NE-15/ 20/ 21/ 27	-----	32 = 2" - 11-1/2 NPT
TP(I/S-0S)20PN-20	T26349	1.130	28.7	424UB-05/ 15	494AB-57	494NE-21/ 27	-----	38 = 2-1/2" - 8 NPT
TP(I/S-0S)20PN-24	T26350	1.360	34.5	424UB-06	494AB-59	494NE-32	-----	44 = 3" - 8 NPT
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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		(metric)	(NPT)		
TP(0S)18PN-1	-----	0.350	8.9	424UB-01/ 02	494AB-52/ 53	494NE-04/ 05/ 08	01 = 1/2"	03 = 1/2" - 14 NPT
TP(I/S-0S)18PN-2	T26352	0.530	13.5	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	02 = 1/2"	04 = 1/2" - 14 NPT
TP(I/S-0S)18PN-3	T26353	0.590	15.0	424UB-02/ 03	494AB-53/ 55	494NE-05/ 08/ 10/ 14	03 = 3/4"	05 = 1/2" - 14 NPT
TP(I/S-0S)18PN-4	T26354	0.640	16.3	424UB-03	494AB-55	494NE-10/ 14	04 = 1"	08 = 3/4" - 14 NPT
TP(I/S-0S)18PN-5	T26355	0.700	17.8	424UB-03/ 04	494AB-55	494NE-10/ 14	05 = 1-1/4"	10 = 3/4" - 14 NPT
TP(I/S-0S)18PN-6	T26356	0.750	19.1	424UB-03/ 04	494AB-55/ 56	494NE-10/ 14/ 15/ 20	15 = 1-1/2"	14 = 1" - 11-1/2 NPT
TP(I/S-0S)18PN-7	T26357	0.760	19.3	424UB-03/ 04	494AB-55/ 56	494NE-10/ 14/ 15/ 20	06 = 2"	15 = 1" - 11-1/2 NPT
TP(I/S-0S)18PN-8	T26358	0.820	20.8	424UB-04	494AB-55/ 56	494NE-10/ 14/ 15/ 20	07 = 2-1/2"	20 = 1-1/4" - 11-1/2 NPT
TP(I/S-0S)18PN-10	T26359	0.970	24.6	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-0S)18PN-12	T26360	0.970	24.6	424UB-04/ 05/ 15	494AB-56/ 57	494NE-15/ 20/ 21/ 27	09 = 3-1/2"	27 = 1-1/2" - 11-1/2 NPT
TP(I/S-0S)18PN-16	T26361	1.110	28.2	424UB-05/ 15	494AB-57	494NE-21/ 27	-----	32 = 2" - 11-1/2 NPT
TP(I/S-0S)18PN-20	T26362	1.220	31.0	424UB-05/ 15/ 06	494AB-57	494NE-21/ 27	-----	38 = 2-1/2" - 8 NPT
TP(I/S-0S)18PN-24	T26363	1.380	35.1	424UB-06	494AB-59	494NE-32	-----	44 = 3" - 8 NPT
-----	-----	-----	---	-----	-----	-----	-----	45 = 3" - 8 NPT



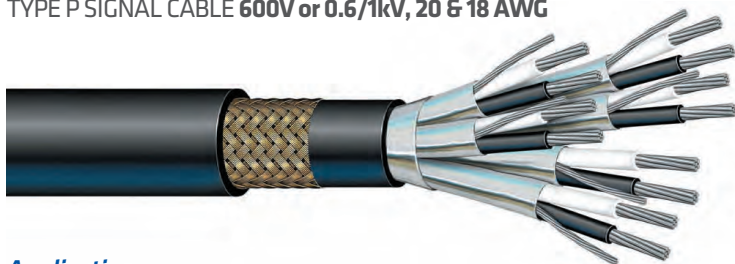
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BOSTRIG™ TYPE P SIGNAL CABLE 600V OR 0.6/1kV

Individual and overall shielded multipair / **armored and sheathed**
 TYPE P SIGNAL CABLE **600V or 0.6/1kV, 20 & 18 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.

ARMOR: Braided bronze in accordance with IEEE 1580 (2001).

SHEATH: Flame-Retardant Thermosetting CPE (Chlorinated Polyethylene) applied over the armor in accordance with the requirements of IEEE-1580-2010. Thickness as shown on tables on opposite page. Arctic Neoprene (Type N) also available as an option.



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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, 20 & 18 AWG**

20 AWG • 0.61 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)20PNBS-1	T26403	1	.030	0.76	0.060	1.5	0.520	13.2	82	269	0.14	46	21	69	175	260
TP(I/S-0S)20PNBS-2	T26404	2	.030	0.76	0.060	1.5	0.600	15.2	82	269	0.14	46	21	69	235	350
TP(I/S-0S)20PNBS-3	T26405	3	.030	0.76	0.060	1.5	0.730	18.5	82	269	0.14	46	21	69	335	500
TP(I/S-0S)20PNBS-4	T26406	4	.030	0.76	0.060	1.5	0.790	20.1	82	269	0.14	46	21	69	385	575
TP(I/S-0S)20PNBS-5	T26407	5	.030	0.76	0.080	2.0	0.870	22.1	82	269	0.14	46	21	69	465	690
TP(I/S-0S)20PNBS-6	T26408	6	.030	0.76	0.080	2.0	0.930	23.6	82	269	0.14	46	21	69	510	760
TP(I/S-0S)20PNBS-7	T26409	7	.030	0.76	0.080	2.0	0.930	23.6	82	269	0.14	46	21	69	500	745
TP(I/S-0S)20PNBS-8	T26410	8	.030	0.76	0.080	2.0	0.980	24.9	82	269	0.14	46	21	69	585	870
TP(I/S-0S)20PNBS-10	T26411	10	.030	0.76	0.080	2.0	1.120	28.4	82	269	0.14	46	21	69	690	1,025
TP(I/S-0S)20PNBS-12	T26412	12	.030	0.76	0.080	2.0	1.150	29.2	82	269	0.14	46	21	69	800	1,190
TP(I/S-0S)20PNBS-16	T26413	16	.030	0.76	0.080	2.0	1.250	31.8	82	269	0.14	46	21	69	885	1,315
TP(I/S-0S)20PNBS-20	T26414	20	.030	0.76	0.080	2.0	1.370	34.8	82	269	0.14	46	21	69	1,135	1,690
TP(I/S-0S)20PNBS-24	T26415	24	.030	0.76	0.080	2.0	1.480	37.6	82	269	0.14	46	21	69	1,260	1,875

18 AWG • 0.96 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)18PNBS-1	T26664	1	.030	0.76	0.060	1.5	0.530	13.5	73	239	0.13	43	2	75	190	285
TP(I/S-0S)18PNBS-2	T26417	2	.030	0.76	0.060	1.5	0.710	18.0	73	239	0.13	43	23	75	315	470
TP(I/S-0S)18PNBS-3	T26418	3	.030	0.76	0.060	1.5	0.770	19.6	73	239	0.13	43	23	75	390	580
TP(I/S-0S)18PNBS-4	T26419	4	.030	0.76	0.080	2.0	0.870	22.1	73	239	0.13	43	23	75	465	690
TP(I/S-0S)18PNBS-5	T26420	5	.030	0.76	0.080	2.0	0.920	23.4	73	239	0.13	43	23	75	530	790
TP(I/S-0S)18PNBS-6	T26421	6	.030	0.76	0.080	2.0	0.980	24.9	73	239	0.13	43	23	75	590	880
TP(I/S-0S)18PNBS-7	T26422	7	.030	0.76	0.080	2.0	0.980	24.9	73	239	0.13	43	23	75	605	900
TP(I/S-0S)18PNBS-8	T26423	8	.030	0.76	0.080	2.0	1.040	26.4	73	239	0.13	43	23	75	680	1,010
TP(I/S-0S)18PNBS-10	T26424	10	.030	0.76	0.080	2.0	1.190	30.2	73	239	0.13	43	23	75	855	1,270
TP(I/S-0S)18PNBS-12	T26425	12	.030	0.76	0.080	2.0	1.210	30.7	73	239	0.13	43	23	75	925	1,375
TP(I/S-0S)18PNBS-16	T26426	16	.030	0.76	0.080	2.0	1.340	34.0	73	239	0.13	43	23	75	1,120	1,665
TP(I/S-0S)18PNBS-20	T26427	20	.030	0.76	0.080	2.0	1.440	36.6	73	239	0.13	43	23	75	1,335	1,985
TP(I/S-0S)18PNBS-24	T26428	24	.030	0.76	0.080	2.0	1.600	40.6	73	239	0.13	43	23	75	1,540	2,290

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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, 20 & 18 AWG**

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)
TP(0S)20PNBS-1	026403	0.520	13.2	424AN-02/10	474SW-52	474NP-04/ 07
TP(I/S-0S)20PNBS-2	026404	0.600	15.2	424AN-02/10	474SW-53	474NP-05/ 08
TP(I/S-0S)20PNBS-3	026405	0.730	18.5	424AN-03/ 12	474SW-53	474NP-05/ 08
TP(I/S-0S)20PNBS-4	026406	0.790	20.1	424AN-03/ 12	474SW-55	474NP-10/ 14
TP(I/S-0S)20PNBS-5	026407	0.870	22.1	424AN-04/ 15	474SW-55	474NP-10/ 14
TP(I/S-0S)20PNBS-6	026408	0.930	23.6	424AN-04/ 15	474SW-55	474NP-10/ 14
TP(I/S-0S)20PNBS-7	026409	0.930	23.6	424AN-04/ 15	474SW-55	474NP-10/ 14
TP(I/S-0S)20PNBS-8	026410	0.980	24.9	424AN-04/ 15	474SW-55	474NP-10/ 14
TP(I/S-0S)20PNBS-10	026411	1.120	28.4	424AN-04/ 15	474SW-56	474NP-15/ 20
TP(I/S-0S)20PNBS-12	026412	1.150	29.2	424AN-04/ 15	474SW-56	474NP-15/ 20
TP(I/S-0S)20PNBS-16	026413	1.250	31.8	424AN-05	474SW-57	474NP-21/ 27
TP(I/S-0S)20PNBS-20	026414	1.370	34.8	424AN-05	474SW-57	474NP-21/ 27
TP(I/S-0S)20PNBS-24	026415	1.480	37.6	424AN-05	474SW-57	474NP-21/ 27

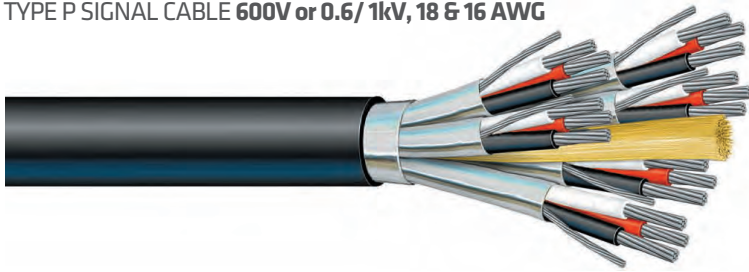
18 AWG • 0.96 mm²

				GLAND SELECTION		
Type Designation	Draka Number	Cable Diameter (nominal)		Explosion Proof: Unarmored	Non-Explosion Proof: Unarmored	Non-Explosion Proof: Unarmored
		in	mm		(metric)	(NPT)
TP(0S)20PNBS-1	026403	0.520	13.2	424AN-02/10	474SW-52	474NP-04/ 07
TP(I/S-0S)20PNBS-2	026404	0.600	15.2	424AN-02/10	474SW-53	474NP-05/ 08
TP(I/S-0S)20PNBS-3	026405	0.730	18.5	424AN-03/ 12	474SW-53	474NP-05/ 08
TP(I/S-0S)20PNBS-4	026406	0.790	20.1	424AN-03/ 12	474SW-55	474NP-10/ 14
TP(I/S-0S)20PNBS-5	026407	0.870	22.1	424AN-04/ 15	474SW-55	474NP-10/ 14
TP(I/S-0S)20PNBS-6	026408	0.930	23.6	424AN-04/ 15	474SW-55	474NP-10/ 14
TP(I/S-0S)20PNBS-7	026409	0.930	23.6	424AN-04/ 15	474SW-55	474NP-10/ 14
TP(I/S-0S)20PNBS-8	026410	0.980	24.9	424AN-04/ 15	474SW-55	474NP-10/ 14
TP(I/S-0S)20PNBS-10	026411	1.120	28.4	424AN-04/ 15	474SW-56	474NP-15/ 20
TP(I/S-0S)20PNBS-12	026412	1.150	29.2	424AN-04/ 15	474SW-56	474NP-15/ 20
TP(I/S-0S)20PNBS-16	026413	1.250	31.8	424AN-05	474SW-57	474NP-21/ 27
TP(I/S-0S)20PNBS-20	026414	1.370	34.8	424AN-05	474SW-57	474NP-21/ 27
TP(I/S-0S)20PNBS-24	026415	1.480	37.6	424AN-05	474SW-57	474NP-21/ 27

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

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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BOSTRIG™ TYPE P SIGNAL CABLE

Individual and overall shielded multi-triad / **unarmored**
TYPE P SIGNAL CABLE **600V or 0.6/ 1kV, 18 & 16 AWG**

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)18PNB5-16	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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BOSTRIG™ TYPE P SIGNAL CABLE

Individual and overall shielded multi-triad / **unarmored**

TYPE P SIGNAL CABLE **600V or 0.6/ 1kV, 18 & 16 AWG**

18 AWG • 0.96 mm²

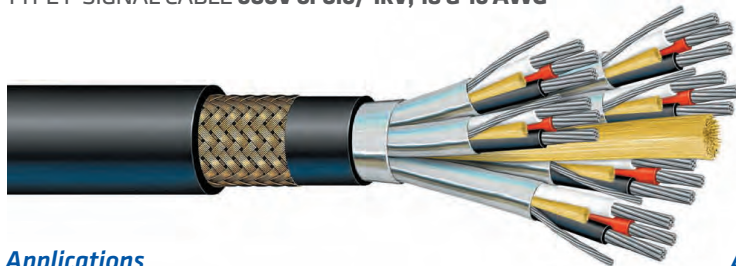
				GLAND SELECTION			GLAND REFERENCE CHART	
Type Designation	Draka Number	Cable Diameter (nominal)		Explosion Proof: Unarmored	Non-Explosion Proof: Unarmored	Non-Explosion Proof: Unarmored	Explosion Proof: (Unarmored) Hub Size Reference	Non-Explosion Proof: (Unarmored) - NPT Thread Size Reference
		in	mm		(metric)	(NPT)		
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		(metric)	(NPT)		
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

BOSTRIG™ TYPE P SIGNAL CABLE

Individual and overall shielded multi-triad / **armored and sheathed**
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
- 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.

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.



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BOSTRIG™ TYPE P SIGNAL CABLE

Individual and overall shielded multi-triad / **armored and sheathed**
TYPE P SIGNAL CABLE **600V or 0.6/ 1kV, 18 & 16 AWG**

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)18PNBS-1	T26473	1	.030	0.76	0.060	1.5	0.550	14.0	210	315
TT(I/S-0S)18PNBS-2	T26474	2	.030	0.76	0.060	1.5	0.790	20.1	380	565
TT(I/S-0S)18PNBS-3	T26475	3	.030	0.76	0.060	1.5	0.850	21.6	430	640
TT(I/S-0S)18PNBS-4	T26476	4	.030	0.76	0.080	2.0	0.930	23.6	525	780
TT(I/S-0S)18PNBS-5	T26477	5	.030	0.76	0.080	2.0	1.000	25.4	590	880
TT(I/S-0S)18PNBS-6	T26478	6	.030	0.76	0.080	2.0	1.130	28.7	775	1,155
TT(I/S-0S)18PNBS-8	T26479	8	.030	0.76	0.080	2.0	1.180	30.0	870	1,295
TT(I/S-0S)18PNBS-12	T26480	12	.030	0.76	0.080	2.0	1.380	35.1	1,180	1,755
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)16PNBS-1	T26716	1	.030	0.76	0.060	1.5	0.570	14.5	225	335
TT(I/S-0S)16PNBS-2	T26483	2	.030	0.76	0.060	1.5	0.810	20.6	410	610
TT(I/S-0S)16PNBS-3	T26484	3	.030	0.76	0.080	2.0	0.890	22.6	550	820
TT(I/S-0S)16PNBS-4	T26485	4	.030	0.76	0.080	2.0	0.940	23.9	610	910
TT(I/S-0S)16PNBS-5	T26486	5	.030	0.76	0.080	2.0	1.010	25.7	700	1,040
TT(I/S-0S)16PNBS-6	T26487	6	.030	0.76	0.080	2.0	1.100	27.9	800	1,190
TT(I/S-0S)16PNBS-8	T26488	8	.030	0.76	0.080	2.0	1.220	31.0	980	1,460
TT(I/S-0S)16PNBS-12	T26489	12	.030	0.76	0.080	2.0	1.440	36.6	1,355	2,015
TT(I/S-0S)16PNBS-16	T26490	16	.030	0.76	0.080	2.0	1.640	41.7	1,750	2,605

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BOSTRIG™ TYPE P SIGNAL CABLE

Individual and overall shielded multi-triad / **armored and sheathed**
TYPE P SIGNAL CABLE **600V or 0.6/ 1kV, 18 & 16 AWC**

18 AWC • 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)
TT(0S)18PNBS-1	T26473	0.550	14.0	424AN-01/ 02/ 10	474SW-52	474NP-04/ 07
TT(I/S-0S)18PNBS-2	T26474	0.790	20.1	424AN-03/ 12	474SW-55	474NP-10/ 14
TT(I/S-0S)18PNBS-3	T26475	0.850	21.6	424AN-03/ 12	474SW-55	474NP-10/ 14
TT(I/S-0S)18PNBS-4	T26476	0.930	23.6	424AN-04/ 15	474SW-55	474NP-10/ 14
TT(I/S-0S)18PNBS-5	T26477	1.000	25.4	424AN-04/ 15	474SW-55	474NP-10/ 14
TT(I/S-0S)18PNBS-6	T26478	1.130	28.7	424AN-04/ 15	474SW-56	474NP-15/ 20
TT(I/S-0S)18PNBS-8	T26479	1.180	30.0	424AN-04/ 05/ 15	474SW-56	474NP-15/ 20
TT(I/S-0S)18PNBS-12	T26480	1.380	35.1	424AN-05	474SW-57	474NP-21/ 27
TT(I/S-0S)18PNBS-16	T26481	1.510	38.4	424AN-05/ 06	474SW-57	474NP-21/ 27

16 AWC • 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)
TT(0S)16PNBS-1	T26716	0.570	14.5	424AN-01/ 02/ 10	474SW-52	474NP-04/ 07
TT(I/S-0S)16PNBS-2	T26483	0.810	20.6	424AN-03/ 12	474SW-55	474NP-10/ 14
TT(I/S-0S)16PNBS-3	T26484	0.890	22.6	424AN-03/ 12	474SW-55	474NP-10/ 14
TT(I/S-0S)16PNBS-4	T26485	0.940	23.9	424AN-04/ 15	474SW-55	474NP-10/ 14
TT(I/S-0S)16PNBS-5	T26486	1.010	25.7	424AN-04/ 15	474SW-55	474NP-10/ 14
TT(I/S-0S)16PNBS-6	T26487	1.100	27.9	424AN-04/ 15	474SW-56	474NP-15/ 20
TT(I/S-0S)16PNBS-8	T26488	1.220	31.0	424AN-05/ 06	474SW-56	474NP-15/ 20
TT(I/S-0S)16PNBS-12	T26489	1.440	36.6	424AN-05/ 06	474SW-57	474NP-21/ 27
TT(I/S-0S)16PNBS-16	T26490	1.640	41.7	424AN-06	474SW-58	474NP-28/ 31

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" - 1-1/2 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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