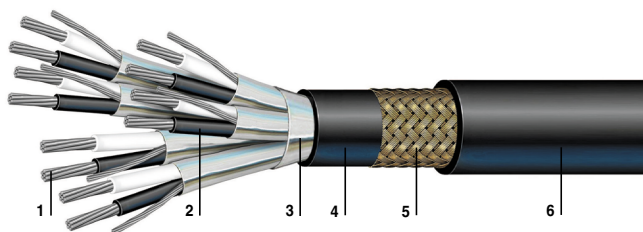


## BOSTRIG™ TYPE P SIGNAL CABLE 600V OR 0.6/1kV



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, land rigs, marine vessels and oil and gas drilling rigs.

Bostrig cables have excellent resistance to oil, abrasion, moisture, sunlight and ester-based mud (Type P-MR). They are suitable for use in Class I, Division I and Zone I applications (armored & sheathed) and meet the crush and impact resistance requirements (C&IR) of UL 2225.

The standard insulation has a continuous operating temperature of 125°C allowing for higher ampacity levels. Larger diameter cables carry a new flexible design. They satisfy Transport Canada's cold bend at -40°C and cold impact at -35°C (CSA C 22.2 No. 0.3).

This product is readily available in an unarmored version.

### Construction

1. Conductors	Soft annealed stranded tinned copper per ASTM B 33. A polyester tape separator is used over the conductor.
2. Insulation	Bostrig Type P chemically cross-linked polyolefin (XLPO), meeting IEEE 1580 (2001).
3. 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.
4. Jacket	Flame-retardant Arctic Neoprene, complying with Type N Neoprene as required in IEEE-1580 (2001). Thickness as shown on data sheet for unarmored version.
5. Armor	Braided bronze in accordance with IEEE 1580 (2001).
6. Sheath	Flame-retardant Arctic Neoprene applied over the armor, complying with Type N Neoprene as required in IEEE 1580 (2001). Thickness as shown in tables on opposite page.

### Features

- Superior resistance to oil, abrasion, moisture, sunlight, mud, crush and impact
- Meets IEEE standards for 600V / IEC standards for 0.6/1kV

### Ratings

Meets all test requirements of IEEE 1580 (2001) and the flame test in IEC 60332-3, Category A.

Listed by ETL per IEEE 1580 (2001), UL 1309/CSA 245 and IEEE 45 (1998) for 600V.

Bostrig Type P cables comply with the Crush and Impact requirements of UL 2225.

### Approvals

ETL/Intertek Testing Services Listed as Marine Shipboard Cable in accordance with IEEE 45 (1998), IEEE 1580 (2001), UL 1309/CSA245 and the performance requirements of IEC 60092-3.

Det Norske Veritas Type Approval Certificates E8792, E8793, E8794, E8795 and E8796.

American Bureau of Shipping Approval Certificate 03-HS347018C/3-PDA.

Lloyds Registry of Shipping Approval Certificates No. 95/00161(E3) and 95-00162(E3)

Transport Canada Approved AMS400-20-2

Manufactured to BIW Specifying Standard J106



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Bostrig Type P

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**BOSTRIG™ TYPE P SIGNAL CABLE****individual and overall shielded multipair / armored and sheathed  
20 & 18 AWG / 600V or 0.6/1kV****20 AWG • 0.61 mm<sup>2</sup>**

Type Designation	Draka Number	Number of Pairs	Insulation Thickness in • mm	Sheath Thickness in • mm	Cable Diameter (nominal) in • mm	Characteristic Impedance $\Omega/\text{kft} - \Omega/\text{km}$	Inductance mH/kft • mH/km	Capacitance pF/ft • pF/m	Cable Weight (approximate) Lbs/mft • Kg/km
TP(0S)20PNBS-1	026403	1	.030 • 0.76	.060 • 1.5	.510 • 13.0	82 • 269	0.14 • 46	21 • 69	170 • 253
TP(I/S-0S)20PNBS-2	026404	2	.030 • 0.76	.060 • 1.5	.720 • 18.3	82 • 269	0.14 • 46	21 • 69	295 • 439
TP(I/S-0S)20PNBS-3	026405	3	.030 • 0.76	.060 • 1.5	.730 • 18.5	82 • 269	0.14 • 46	21 • 69	320 • 476
TP(I/S-0S)20PNBS-4	026406	4	.030 • 0.76	.060 • 1.5	.780 • 19.8	82 • 269	0.14 • 46	21 • 69	360 • 536
TP(I/S-0S)20PNBS-5	026407	5	.030 • 0.76	.080 • 2.0	.890 • 22.6	82 • 269	0.14 • 46	21 • 69	440 • 655
TP(I/S-0S)20PNBS-6	026408	6	.030 • 0.76	.080 • 2.0	.925 • 23.5	82 • 269	0.14 • 46	21 • 69	485 • 722
TP(I/S-0S)20PNBS-7	026409	7	.030 • 0.76	.080 • 2.0	.925 • 23.5	82 • 269	0.14 • 46	21 • 69	500 • 744
TP(I/S-0S)20PNBS-8	026410	8	.030 • 0.76	.080 • 2.0	.980 • 24.9	82 • 269	0.14 • 46	21 • 69	550 • 818
TP(I/S-0S)20PNBS-10	026411	10	.030 • 0.76	.080 • 2.0	1.120 • 28.5	82 • 269	0.14 • 46	21 • 69	690 • 1027
TP(I/S-0S)20PNBS-12	026412	12	.030 • 0.76	.080 • 2.0	1.150 • 29.2	82 • 269	0.14 • 46	21 • 69	730 • 1086
TP(I/S-0S)20PNBS-16	026413	16	.030 • 0.76	.080 • 2.0	1.250 • 31.8	82 • 269	0.14 • 46	21 • 69	885 • 1317
TP(I/S-0S)20PNBS-20	026414	20	.030 • 0.76	.080 • 2.0	1.350 • 34.3	82 • 269	0.14 • 46	21 • 69	1060 • 1577
TP(I/S-0S)20PNBS-24	026415	24	.030 • 0.76	.110 • 2.8	1.545 • 39.2	82 • 269	0.14 • 46	21 • 69	1260 • 1875

**18 AWG • 0.96 mm<sup>2</sup>**

Type Designation	Draka Number	Number of Pairs	Insulation Thickness in • mm	Sheath Thickness in • mm	Cable Diameter (nominal) in • mm	Characteristic Impedance $\Omega/\text{kft} - \Omega/\text{km}$	Inductance mH/kft • mH/km	Capacitance pF/ft • pF/m	Cable Weight (approximate) Lbs/mft • Kg/km
TP(0S)18PNBS-1	026664	1	.030 • 0.76	.060 • 1.5	.535 • 13.6	73 • 239	0.13 • 43	23 • 75	185 • 275
TP(I/S-0S)18PNBS-2	026417	2	.030 • 0.76	.060 • 1.5	.785 • 19.5	73 • 239	0.13 • 43	23 • 75	350 • 521
TP(I/S-0S)18PNBS-3	026418	3	.030 • 0.76	.060 • 1.5	.845 • 21.5	73 • 239	0.13 • 43	23 • 75	395 • 588
TP(I/S-0S)18PNBS-4	026419	4	.030 • 0.76	.080 • 2.0	.895 • 22.7	73 • 239	0.13 • 43	23 • 75	465 • 692
TP(I/S-0S)18PNBS-5	026420	5	.030 • 0.76	.080 • 2.0	.930 • 23.6	73 • 239	0.13 • 43	23 • 75	505 • 752
TP(I/S-0S)18PNBS-6	026421	6	.030 • 0.76	.080 • 2.0	.990 • 25.2	73 • 239	0.13 • 43	23 • 75	570 • 848
TP(I/S-0S)18PNBS-7	026422	7	.030 • 0.76	.080 • 2.0	1.020 • 25.9	73 • 239	0.13 • 43	23 • 75	605 • 900
TP(I/S-0S)18PNBS-8	026423	8	.030 • 0.76	.080 • 2.0	1.180 • 30.0	73 • 239	0.13 • 43	23 • 75	725 • 1079
TP(I/S-0S)18PNBS-10	026424	10	.030 • 0.76	.080 • 2.0	1.245 • 31.6	73 • 239	0.13 • 43	23 • 75	845 • 1257
TP(I/S-0S)18PNBS-12	026425	12	.030 • 0.76	.080 • 2.0	1.265 • 32.1	73 • 239	0.13 • 43	23 • 75	910 • 1354
TP(I/S-0S)18PNBS-16	026426	16	.030 • 0.76	.110 • 2.8	1.440 • 36.6	73 • 239	0.13 • 43	23 • 75	1135 • 1689
TP(I/S-0S)18PNBS-20	026427	20	.030 • 0.76	.110 • 2.8	1.520 • 38.6	73 • 239	0.13 • 43	23 • 75	1350 • 2009
TP(I/S-0S)18PNBS-24	026428	24	.030 • 0.76	.110 • 2.8	1.760 • 44.7	73 • 239	0.13 • 43	23 • 75	1680 • 2500

This information is provided for reference only, please consult the factory or your representative to confirm all engineering information,  
This information is not meant to replace the information in the appropriate and applicable standard or code.

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Subject to change without prior notice

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