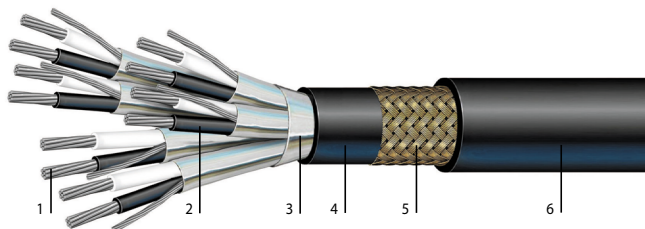




BOSTRIG™ TYPE P SIGNAL CABLE 600V OR 0.6/1kV



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, 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.

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

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.



**Draka**

Draka Cableteq | Marine, Oil & Gas International

Bostrig Type P

0807

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BOSTRIG™ TYPE P SIGNAL CABLE**individual and overall shielded multipair / armored and sheathed
16 & 14 AWG / 600V or 0.6/1kV****16 AWG • 1.23 mm²**

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(OS)16PNBS-1	026429	1	.030 • 0.76	.060 • 1.5	.535 • 13.6	68 • 223	0.12 • 39	25 • 82	190 • 283
TP(I/S-OS)16PNBS-2	026430	2	.030 • 0.76	.060 • 1.5	.805 • 20.5	68 • 223	0.12 • 39	25 • 82	350 • 521
TP(I/S-OS)16PNBS-3	026431	3	.030 • 0.76	.080 • 2.0	.885 • 22.5	68 • 223	0.12 • 39	25 • 82	425 • 632
TP(I/S-OS)16PNBS-4	026432	4	.030 • 0.76	.080 • 2.0	.920 • 23.4	68 • 223	0.12 • 39	25 • 82	490 • 729
TP(I/S-OS)16PNBS-5	026433	5	.030 • 0.76	.080 • 2.0	.965 • 24.5	68 • 223	0.12 • 39	25 • 82	545 • 811
TP(I/S-OS)16PNBS-6	026434	6	.030 • 0.76	.080 • 2.0	1.025 • 26.0	68 • 223	0.12 • 39	25 • 82	610 • 908
TP(I/S-OS)16PNBS-7	026435	7	.030 • 0.76	.080 • 2.0	1.025 • 26.0	68 • 223	0.12 • 39	25 • 82	635 • 945
TP(I/S-OS)16PNBS-8	026436	8	.030 • 0.76	.080 • 2.0	1.205 • 30.6	68 • 223	0.12 • 39	25 • 82	800 • 1191
TP(I/S-OS)16PNBS-10	026437	10	.030 • 0.76	.080 • 2.0	1.235 • 31.4	68 • 223	0.12 • 39	25 • 82	875 • 1302
TP(I/S-OS)16PNBS-12	026438	12	.030 • 0.76	.080 • 2.0	1.285 • 32.6	68 • 223	0.12 • 39	25 • 82	965 • 1436
TP(I/S-OS)16PNBS-16	026439	16	.030 • 0.76	.110 • 2.8	1.465 • 37.2	68 • 223	0.12 • 39	25 • 82	1255 • 1868
TP(I/S-OS)16PNBS-20	026440	20	.030 • 0.76	.110 • 2.8	1.585 • 40.2	68 • 223	0.12 • 39	25 • 82	1470 • 2188
TP(I/S-OS)16PNBS-24	026441	24	.030 • 0.76	.125 • 3.2	1.835 • 46.6	68 • 223	0.12 • 39	25 • 82	1860 • 2786

14 AWG • 1.94 mm²

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(OS)14PNBS-1	026693	1	.030 • 0.76	.060 • 1.5	.575 • 14.6	60 • 197	0.10 • 33	28 • 92	220 • 327
TP(I/S-OS)14PNBS-2	026443	2	.030 • 0.76	.060 • 1.5	.820 • 20.8	68 • 223	0.12 • 39	25 • 82	385 • 573
TP(I/S-OS)14PNBS-3	026444	3	.030 • 0.76	.080 • 2.0	.900 • 22.9	68 • 223	0.12 • 39	25 • 82	490 • 729
TP(I/S-OS)14PNBS-4	026445	4	.030 • 0.76	.080 • 2.0	.970 • 24.6	68 • 223	0.12 • 39	25 • 82	575 • 856
TP(I/S-OS)14PNBS-5	026446	5	.030 • 0.76	.080 • 2.0	1.030 • 26.2	68 • 223	0.12 • 39	25 • 82	650 • 967
TP(I/S-OS)14PNBS-6	026447	6	.030 • 0.76	.080 • 2.0	1.140 • 29.0	68 • 223	0.12 • 39	25 • 82	780 • 1161
TP(I/S-OS)14PNBS-7	026448	7	.030 • 0.76	.080 • 2.0	1.140 • 29.0	68 • 223	0.12 • 39	25 • 82	810 • 1205
TP(I/S-OS)14PNBS-8	026449	8	.030 • 0.76	.080 • 2.0	1.215 • 30.9	68 • 223	0.12 • 39	25 • 82	900 • 1339
TP(I/S-OS)14PNBS-10	026450	10	.030 • 0.76	.080 • 2.0	1.290 • 32.8	68 • 223	0.12 • 39	25 • 82	1030 • 1533
TP(I/S-OS)14PNBS-12	026451	12	.030 • 0.76	.110 • 2.8	1.445 • 36.7	68 • 223	0.12 • 39	25 • 82	1250 • 1860
TP(I/S-OS)14PNBS-16	026452	16	.030 • 0.76	.110 • 2.8	1.580 • 40.1	68 • 223	0.12 • 39	25 • 82	1525 • 2269
TP(I/S-OS)14PNBS-20	026453	20	.030 • 0.76	.125 • 3.2	1.800 • 45.7	68 • 223	0.12 • 39	25 • 82	1960 • 2917
TP(I/S-OS)14PNBS-24	026454	24	.030 • 0.76	.125 • 3.2	1.980 • 50.3	68 • 223	0.12 • 39	25 • 82	2260 • 3363

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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