



# BOSTRIG™ 125 TYPE P SIGNAL CABLE

individual and overall shielded multi-triad / armored and sheathed  
18 & 16 AWG / 600/1000V

## APPLICATIONS

Bostrig™125 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.

## FEATURES

- **SUPERIOR RESISTANCE TO OIL, ABRASION, MOISTURE, SUNLIGHT, MUD, CRUSH AND IMPACT**
- **MEETS IEEE STANDARDS FOR 600V / IEC STANDARDS FOR 0.6/1kV**

## CONSTRUCTION

### 1. CONDUCTORS

Soft annealed stranded tinned copper per ASTM B 33. A polyester tape separator is used over the conductor.

### 2. INSULATION

Bostrig-125 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 triad and the cabled core. The single triad 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 reverse.

## 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 125 Type P cables comply to UL 1277 Type TC exposed runs requirements and with the Crush and Impact requirements of UL 2225.

## APPROVALS

ETL/Intertek Testing Services Listed as Marine Shipboard Cable in accordance with IEEE 45 (1993 draft), IEEE 45 (1998), IEEE 1580 (2001), UL 1309/CSA245 and the performance requirements of IEC 60092-3.

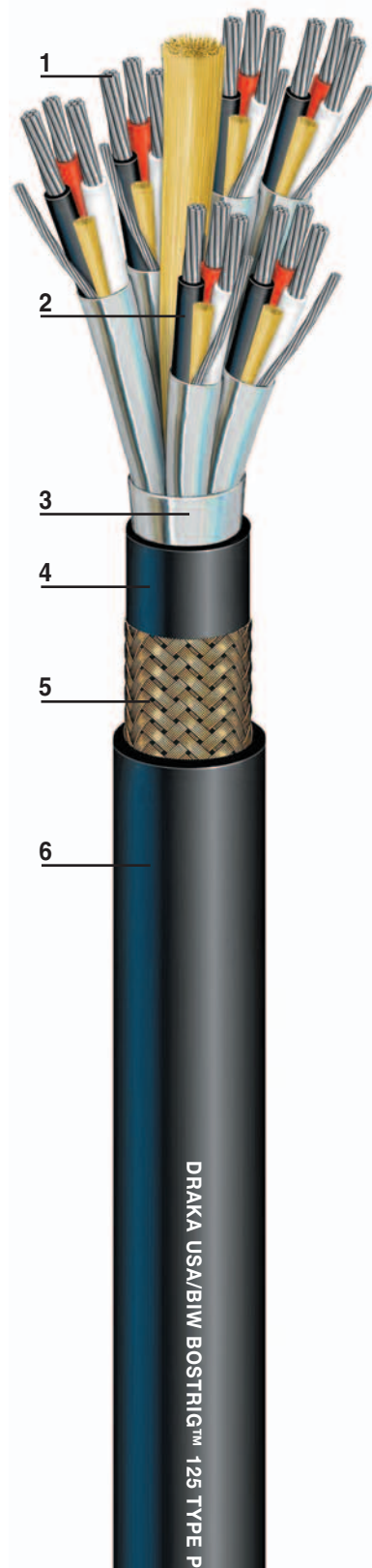
Det Norske Veritas Type Approval Certificates E-6849, E-6850, E-6851, E-6852 and E-6853.

American Bureau of Shipping Approval Certificate B315003-X

Lloyds Registry of Shipping Approval Certificates No. 95/00161(E2) and 95-00162(E2)

Transport Canada Approved AMS400-20-2

Manufactured to BIW Specifying Standard J106



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18 & 16 AWG / 600/1000V



**Draka USA**  
Member of the Draka Holding Group

## 18 AWG • 0.96 mm<sup>2</sup>

Type Designation	Draka Number	Number of Triads	Insulation Thickness in • mm	Sheath Thickness in • mm	Cable Diameter (nominal) in • mm	Cable Weight (approximate) Lbs/mft • Kg/km
TT(OS)18PNBS-1	026473	1	.030 • 0.76	.060 • 1.5	.540 • 13.7	200 • 298
TT(I/S-OS)18PNBS-2	026474	2	.030 • 0.76	.060 • 1.5	.785 • 19.9	360 • 536
TT(I/S-OS)18PNBS-3	026475	3	.030 • 0.76	.060 • 1.5	.850 • 21.6	430 • 640
TT(I/S-OS)18PNBS-4	026476	4	.030 • 0.76	.080 • 2.0	.930 • 23.6	525 • 781
TT(I/S-OS)18PNBS-5	026477	5	.030 • 0.76	.080 • 2.0	.995 • 25.3	590 • 878
TT(I/S-OS)18PNBS-6	026478	6	.030 • 0.76	.080 • 2.0	1.100 • 28.0	715 • 1064
TT(I/S-OS)18PNBS-8	026479	8	.030 • 0.76	.080 • 2.0	1.175 • 29.9	825 • 1228
TT(I/S-OS)18PNBS-12	026480	12	.030 • 0.76	.110 • 2.8	1.440 • 36.6	1180 • 1756
TT(I/S-OS)18PNBS-16	026481	16	.030 • 0.76	.110 • 2.8	1.570 • 39.9	1450 • 2158

## 16 AWG • 1.23 mm<sup>2</sup>

Type Designation	Draka Number	Number of Triads	Insulation Thickness in • mm	Sheath Thickness in • mm	Cable Diameter (nominal) in • mm	Cable Weight (approximate) Lbs/mft • Kg/km
TT(OS)16PNBS-1	026716	1	.030 • 0.76	.060 • 1.5	.550 • 14.0	210 • 313
TT(I/S-OS)16PNBS-2	026483	2	.030 • 0.76	.060 • 1.5	.810 • 20.6	380 • 566
TT(I/S-OS)16PNBS-3	026484	3	.030 • 0.76	.080 • 2.0	.890 • 22.6	485 • 722
TT(I/S-OS)16PNBS-4	026485	4	.030 • 0.76	.080 • 2.0	.960 • 24.4	570 • 848
TT(I/S-OS)16PNBS-5	026486	5	.030 • 0.76	.080 • 2.0	1.035 • 26.3	645 • 960
TT(I/S-OS)16PNBS-6	026487	6	.030 • 0.76	.080 • 2.0	1.130 • 28.7	770 • 1146
TT(I/S-OS)16PNBS-8	026488	8	.030 • 0.76	.080 • 2.0	1.290 • 32.8	950 • 1414
TT(I/S-OS)16PNBS-12	026489	12	.030 • 0.76	.110 • 2.8	1.495 • 38.0	1280 • 1905
TT(I/S-OS)16PNBS-16	026490	16	.030 • 0.76	.110 • 2.8	1.640 • 41.7	1565 • 2329

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.