Subconn Power/Ethernet Cable  

**Type:** D/P-P4TP24#/4C18#

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### Construction Characteristics

**Power conductor**
0.80 mm² (18 AWG) stranded tin-plated copper conductors insulated with tefzel (4 ea.)

**Twisted pairs**
0.20 mm² (24 AWG) Two silver-plated copper conductors insulated with teflon and twisted together (4 ea.)

Each pair has a different twist-rate for crosstalk performance and each pair has a TPE belt-to round jacket for performance at pressure.

Colour code for twisted pairs:
1. TP = White/Blue + Blue
2. TP = White/Orange + Orange
3. TP = White/Green + Green
4. TP = White/Brown + Brown

**Shield**
Aluminium/polyester tape and tinned copper braiding (85% coverage) with an overall polyester tape.

**Filler**
The cable is filled with cable filling compound.

**Outer jacket**
Polyurethane jacket. Colour blue

**Marking**
SUBCONN INC. D/P-P4TP24#4Cond 18#

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### Mechanical Characteristics

**Diameter**
13.97 mm nom. (0.550 ± 0.010 inch)

**Weight in air**
246 kg/km nom. (165 lbs/1,000 feet nom.)

**Weight in seawater**
90 kg/km nom. (60 lbs/1,000 feet nom.)

**Min. bending radius**
130 mm (5 inch)

**Depth Rating**
6000 metres (8700 psi)

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### Electrical Characteristics

**Power operating voltage (18 AWG)**
600V, max. 4 amp

**Power operating voltage (24 AWG)**
250V, max. 1 amp

**Conductor resistance (18 AWG)**
≤ 21 ohm/km (6.5 ohm/1,000 feet)

**Conductor resistance (24 AWG)**
≤ 85 ohm/km (26 ohm/1,000 feet)

**Capacitance (TP 24 AWG)**
42 pF/m to 55 pF/m (13 pF/feet to 17 pF/feet)

**Impedance (TP 24 AWG)**
85 ohm to 115 ohm