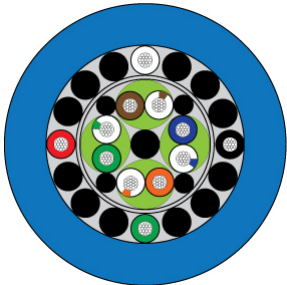


Subconn Power/**Data** Cable

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



Document no.

Revision

Date

Prepared by

Approved by

2013018SC

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05.06.2018

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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#

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)

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 for 55 pF/m (13 pF/feet to for 17 pF/feet)
Impedance (TP 24 AWG)	85 ohm to 115 ohm