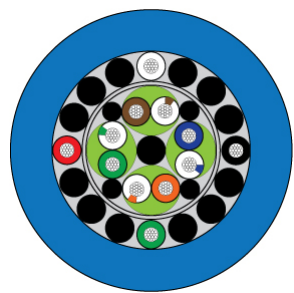


# Subconn Power/Ethernet Cable

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



Document no. 2013018SC  
 Revision E  
 Date 05.06.2018  
 Prepared by LMR  
 Approved by KL

## Construction Characteristics

<b>Power conductor</b>	0,80 mm <sup>2</sup> (18 AWG) stranded tin-plated copper conductors insulated with tefzel (4 ea.)
<b>Twisted pairs</b>	0,20 mm <sup>2</sup> (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
<b>Shield</b>	Aluminium/polyester tape and tinned copper braiding (85% coverage) with an overall polyester tape.
<b>Filler</b>	The cable is filled with cable filling compound
<b>Outer jacket</b>	Polyurethane jacket. Colour blue
<b>Marking</b>	SUBCONN INC. D/P-P4TP24#4Cond 18#

## Mechanical Characteristics

<b>Diameter</b>	13,97 mm nom. (0,550 ± 0,010 inch)
<b>Weight in air</b>	246 kg/km nom. (165 lbs/1,000 feet nom.)
<b>Weight in seawater</b>	90 kg/km nom. (60 lbs/1,000 feet nom.)
<b>Min. bending radius</b>	130 mm (5 inch)
<b>Depth Rating</b>	6000 metres (8700 psi)

## Electrical Characteristics

<b>Power operating voltage (18 AWG)</b>	600V, max. 4 amp
<b>Power operating voltage (24 AWG)</b>	250V, max. 1 amp
<b>Conductor resistance ( 18 AWG )</b>	≤ 21 ohm/km (6,5 ohm/1,000 feet )
<b>Conductor resistance ( 24 AWG )</b>	≤ 85 ohm/km (26 ohm/1,000-feet )
<b>Capacitance ( TP 24 AWG)</b>	42 pF/m to for 55 pF/m (13 pF/feet to for 17 pF/feet)
<b>Impedance ( TP 24 AWG )</b>	85 ohm to 115 ohm