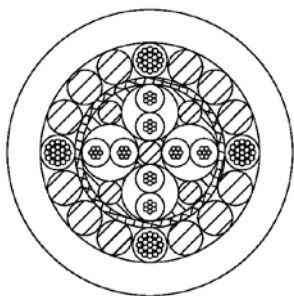


Subconn Power/Ethernet Cable

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



Document no.  
Revision  
Date  
Prepared by  
Approved by

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23.01.2012  
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Construction Characteristics

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power conductor | 0,80 mm <sup>2</sup> (18 AWG) stranded tin-plated copper conductors insulated with tefzel (4 ea.)                                                                                                                                                                                                                                                                                                                                                                                                             |
| Twisted pairs   | <p>0,20 mm<sup>2</sup> (24 AWG) Two silver-plated copper conductors insulated with teflon and twisted together (4 ea.)</p> <p>Each pair has a different twist-rate for crosstalk performance and each pair has a TPE belt-to round jacket for performance at pressure.</p> <p>Colour code for twisted pairs:</p> <ol style="list-style-type: none"> <li>1. TP = White/Blue + Blue</li> <li>2. TP = White/Orange + Orange</li> <li>3. TP = White/Green + Green</li> <li>4. TP = White/Brown + Brown</li> </ol> |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

Mechanical Characteristics

|                     |                                          |
|---------------------|------------------------------------------|
| Diameter            | 13,97 mm nom. (0550 ± 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                                     |