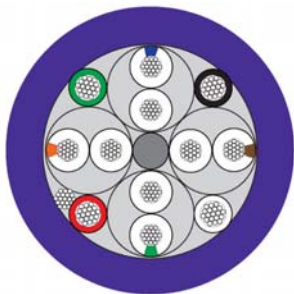


Subconn Power/Data Cable

Type: D/P4TP22#/4C18#OS



Document no.

2018100SC

Revision

C

Date

19.02.2019

Prepared by

LMR

Approved by

KL

Construction Characteristics

Filler (in center)	Filler for roundness (1 ea)
Power conductor	0,80 mm ² (18 AWG) stranded tin-plated copper conductors insulated with Polypropylene (4 ea.)
Twisted pairs	0,34 mm ² (22 AWG) stranded bare copper conductors insulated with Polypropylene (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 + White 2. TP = White/Brown + White 3. TP = White/Green + White 4. TP = White/Orange + White
Waterblock	Elastomeric compound in interstices
Shield	Aluminium/polyester foil and tinned copper drain wire (100% coverage).
Outer jacket	Polyurethane jacket. Colour Blue
	The cable is Halogen free

Mechanical Characteristics

Diameter	13,2 mm nom. (± 0,4 mm)
Operating temperature	-20 to +70°C
Weight in air	209 kg/km nom. (140 lbs/1,000 feet nom.)
Weight in seawater	69 kg/km nom. (46 lbs/1,000 feet nom.)
Min. bending radius	125 mm (5 inch)
Depth Rating	6000 metres

Electrical Characteristics

Power operating voltage (18 AWG)	600 V, max 4 amp
Power operating voltage (22 AWG)	250 V, max 1,5 amp
Conductor resistance (18 AWG)	≤21 Ω/km (6,5 Ω/1,000 feet)
Capacitance (TP 22 AWG)	42 pF/m to 55pF/m (13 pF/feet to for 17 pF/feet)
Impedance (TP 22 AWG)	100 Ω ± 15 Ω