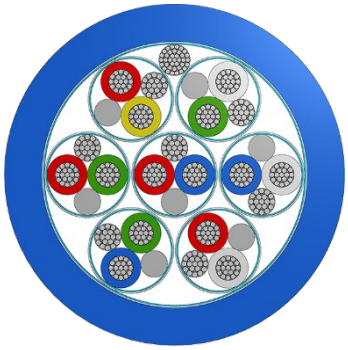
Data cable
Type 4700CC



Construction characteristics

7 x Screened twisted pairs	0.50 mm² (16/0.20 mm) Tinned Copper XLPE insulated to 1.50 mm 2 of these and twisted together with Tinned Copper drain wire and filler in interstices Overall helical 12/23µm Ali/PET foil screen, minimum overlap 50% Overall helical PET isolation tape, minimum overlap 50% OD: 3.20 mm Colour: GN/WH BU/WH RD/WH GN/BU GN/RD YW/RD BU/RD
Lay up and overall screen	The 6 outer screened twisted pairs are twisted together around the center screened twisted pair with Tinned Copper drain wire in interstices Overall helical 12/23µm Ali/PET foil screen, minimum overlap 50% Overall helical PET binding tape, minimum overlap 50% OD: 9.90 mm
Jacket	Polyether Polyurethane, 85 Shore A, Halogen Free, 1.40 mm nom RTI OD: 12.70 mm +/-0.30 Colour: BU

Mechanical characteristics

Max. operating temp	
Static	+90°C
Dynamic	+80°C
Cold flex temp	-40°C
Depth rating	6,000 m
Min. recommended bend radius	
Static	75 mm
Dynamic	150 mm
Nominal weight	
In air	210 kg/km
In seawater	80 kg/km at SG 1.025

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Electrical characteristics

Conductors	
Max. conductor resistance	38.60 Ω/km at 20°C
Voltage rating	600 V
Test voltage	3,000 V DC for 1 minute
Capacitance	100 pF/m
Impedance	57 Ω at 1-10 MHz
Attenuation at	
4 KHz	0.30 dB/100 m
10 KHz	0.50 dB/100 m
1 MHz	7.00 dB/100 m
10 MHz	18.00 dB/100 m
Min. insulation resistance	
Core - Core	> 1.00 GΩ/km
Core - Screen	> 500 MΩ/km
Screen - Screen	> 10 MΩ/km
In compliance with	CE, UK CA, UK NI, RoHS, REACH, LVD
	PFAS-free

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