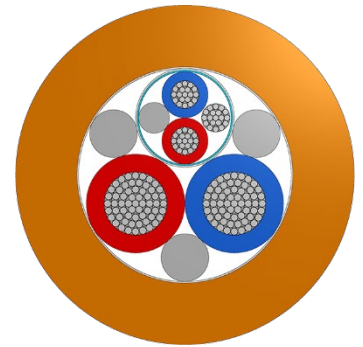


Power & data cable Type 4971CC



Construction characteristics

1 x Screened twisted pair	0.50 mm ² (16/0.20 mm) Tinned Copper XLPE insulated to 1.50 mm 2 off twisted together with Tinned Copper drain wire and filler in interstices Overall helical 12/23µm Al/PET foil screen, minimum overlap 50% Overall helical PET isolation tape, minimum overlap 50% OD: 3.20 mm Colour: BU/RD
2 x Conductors	2.50 mm ² (50/0.25 mm) Tinned Copper XLPE insulated, 0.60 mm nom RTI OD: 3.20 mm Colour: BU RD
Lay up	Conductors and twisted pairs twisted together with fillers in interstices Overall helical PET binding tape, minimum overlap 50% OD: 7.00 mm
Jacket	Polyether Polyurethane 85 Shore A, Halogen Free 2.0 mm nom RTI OD: 11.00 mm +/- 0.30 Colour: OR

Mechanical characteristics

Max. operating temp	
Static	+90°C
Dynamic	+80°C
Cold flex temp	
	-40°C
Depth rating	
	3,000 m
Min. recommended bend radius	
Static	130 mm
Dynamic	165 mm
Nominal weight	
In air	149 kg/km
In seawater	69 kg/km at SG 1.025

Electrical characteristics

2.50 mm² conductors

Maximum conductor resistance	7.90 Ω /km at 20°C
Voltage rating	600 V DC
Test voltage	4,000 V DC for 1 min

0.50 mm² conductors

Max. conductor resistance	38.60 Ω /km at 20°C
Voltage rating	300 V DC
Test voltage	3,000 V DC for 1 min
Capacitance	100 pF/m
Impedance	57 \pm 5 Ω at 1-10 MHz
Attenuation at 1 MHz	7.0 dB/100 m
10 MHz	18.0 dB/100 m

Minimum insulation resistance

Core - Core	> 1.00 G Ω /km at 500 V
Core - Screen	> 500 M Ω /km at 500 V

In compliance with CE, UK CA, UK NI, RoHS, LVD