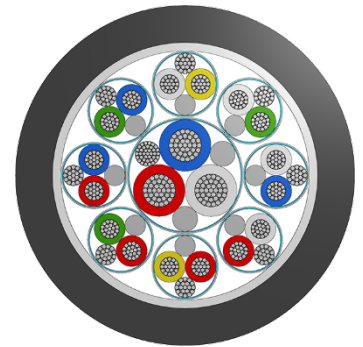


Power & data cable Type 4591CC



Construction characteristics

8 x Screened twisted pairs	<p>0.50 mm² (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 minimum helical overlap PET 50% isolation tape, minimum overlap 50% OD: 3.20 mm Colour: WH/YW WH/GN WH/BU WH/RD RD/YW RD/GN RD/BU GN/BU</p>
1 x Screened twisted triad	<p>1.50 mm² (30/0.25 mm) Tinned Copper XLPE Insulated to 2.50 mm 3 off twisted together with Tinned Copper drain wire and fillers in interstices Overall helical 12/23µm Al/PET foil screen, minimum overlap 50% Overall helical PET isolation tape, minimum overlap 50% OD: 5.60 mm Colour: BU WH RD</p>
Lay up	<p>The screened twisted pairs are twisted around the screened triad Overall water-swellable tape, minimum overlap 50% OD: 12.80 mm</p>
Jacket	<p>Polyether Polyurethane 85 Shore A, Halogen Free 1.80 mm nom RTI OD: 16.40 mm +/- 0.50 Colour: BK</p>

Mechanical characteristics

Max. operating temp	
Static	+90°C
Dynamic	+80°C
Cold flex temp	-40°C
Depth rating	5,000 m
Min. recommended bend radius	
Static	118 mm
Dynamic	169 mm
Nominal weight	
In air	334 kg/km
In seawater	104 kg/km at SG 1.025

Electrical characteristics

1.50 mm² Conductors

Max. conductor resistance	13.20 Ω/km at 20°C
Voltage rating	1,000 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	600 V DC
Test voltage	3,000 V DC for 1 min

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, LVD