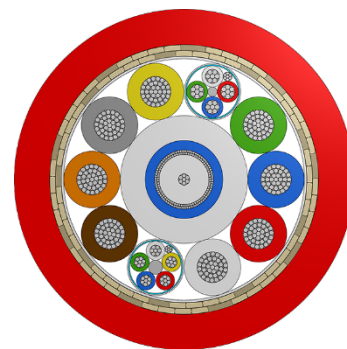


# Coax hybrid cable

## Type 6926KCC



### Construction characteristics

<b>1 x Coaxial cable</b>	<p>D0624  0.14 mm<sup>2</sup> (7/0.16 mm) Tinned Copper Polyolefin Dielectric at 2.10 mm  Tinned Copper Secondary Conductor HDPE Jacket to 3.30 mm  LLDPE Jacketed, 1.20 mm nom RTI  OD: 5.70 mm  Colour: NAT</p>
<b>1 x Twisted quad</b>	<p>0.22 mm<sup>2</sup> (7/0.20 mm) Tinned Copper XLPE Insulated to 0.90 mm  4 off these and twisted around central filler with Tinned Copper drain wire  Overall helical 12/23µm Al/PET foil screen, minimum overlap 50%  Overall helical PET isolation tape, minimum overlap 50%  OD: 2.40 mm  Colour: WH RD BU GN</p>
<b>8 x Conductors</b>	<p>1.00 mm<sup>2</sup> (32/0.20 mm) Tinned Copper XLPE Insulated, 0.55 mm nom RTI  OD: 2.40 mm  Colour: GN BU RD WH BN OR GY YW</p>
<b>1 x Twisted quint</b>	<p>0.14 mm<sup>2</sup> (7/0.16 mm) Tinned Copper XLPE Insulated to 0.80 mm  5 off these and twisted around central filler with Tinned Copper drain wire  Overall helical 12/23µm Al/PET foil screen, minimum overlap 50%  Overall helical PET isolation tape, minimum overlap 50%  OD: 2.40 mm  Colour: WH YW RD BU GN</p>
<b>Lay up</b>	<p>Twisted quad, twisted quint and conductors are twisted around the coaxial cable with Non-woven Polyester Tissue tape, minimum overlap 50%  OD: 10.40 mm</p>
<b>Strength member</b>	<p>Vectran® fibre braid, 24/2/1 /1,666 dTex 58 mm pitch  OD: 11.40 mm</p>
<b>Jacket</b>	<p>Polyether Polyurethane, 85 Shore A, Halogen Free, 1.45 mm nom RTI  OD: 14.00 mm +/-0.50  Colour: RD</p>

## Mechanical characteristics

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**Max. operating temp**

Static	+90°C
Dynamic	+80°C

<b>Cold flex temp</b>	-20°C
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<b>Min. break load</b>	7 kN
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<b>Depth rating</b>	6,000 m
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**Min. recommended bend radius**

Static	116 mm
Dynamic	216 mm

**Nominal weight**

In air	241 kg/km
In seawater	74 kg/km at SG 1.025

## Electrical characteristics

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**D0624 coaxial cable**

Conductor resistance	130 $\Omega$ /km at 20°C
Characteristic impedance	75 $\Omega$
Capacitance	55 pF/m

**Attenuation at**

1 MHz	1.60 dB/100 m Nom
2 MHz	2.30 dB/100 m Nom
5 MHz	3.60 dB/100 m Nom
10 MHz	5.10 dB/100 m Nom
20 MHz	7.20 dB/100 m Nom
50 MHz	11.50 dB/100 m Nom

**1 mm<sup>2</sup> conductors**

Max. conductor resistance	19.20 $\Omega$ /km at 20°C
Voltage rating	600 V

**0.22 mm<sup>2</sup> conductors**

Max. conductor resistance	88.20 $\Omega$ /km at 20°C
Voltage rating	24 V

**0.14 mm<sup>2</sup> conductors**

Max. conductor resistance	137.80 $\Omega$ /km at 20°C
Voltage rating	24 V

**Min. insulation resistance**

Core - Core	> 1.00 G $\Omega$ /km
Core - Screen	> 500 M $\Omega$ /km

**In compliance with**

CE, UK CA, UK NI, RoHS, LVD  
PFAS-free