CFNB-PRI-104-xxSN

:exatronic



FTTx Primary Node Closure

Underground primary node

Product Overview

The Hexatronic primary node is based upon the ODC2 closure range. Cassettes are pre-loaded with PLC splitters and routed as per CityFibre guidelines. With the ability to feed up to 13x secondary node cabinets or 26x aerial secondary nodes.

Primary Node Configuration

To reduce the volume taken by the primary node in a footway box the Hexatronic proposal is to have a dual raceway primary node. The advantages of this solution are the reduced height requirements.

Single stack options are available if required.

Features

- Cold seal sealing (Essential for micro cable)
- Excellent mechanical and environmental protection
- Suitable for aerial and underground environments
- Dome closure sealed with clamp and 0-ring system
- Compatible with all Hexatronic standard cables
- Working temperatures -40°C to +70°C



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Compact Dome

The dual stack primary node makes it ideal for UK chambers with such a small volume consumed, additional space is available for cable and duct storage.



Modular Cable Sealing Options

Cable entry ports to the primary node are modular and can accept multiple cables.

An oval port is generally used in isolation as it can facilitate a midspan cable and also branch 2x additional cables.

The single mechanical compression gland can be included with th primary node to expedite installation efficiency further.









Mechanical and Environmental

Parameter	Test	Value	
Temp Cycling	-40 / +70c IEC 61300-2-22	No Attenuation Change	
Water Immersion	20 +/- 2C IEC 61300-2-45	No Attenuation Change	
Combined Temp / Humidity	10 Cycles 20, 65, 20, 65, 20, -10, 20	No Attenuation Change	
Vibration	IEC 61300-2-1	No Attenuation Change	
Shock (15g)	IEC 61300-2-1	No Attenuation Change	
Torsion (2N each Fibre)	IEC 61300-2-1	No Attenuation Change	
Vibration (10-500 Hz, 10 Cycles)	tion (10-500 Hz, 10 Cycles) IEC 61300-2-1 No Attenuation Cl		

Optical Performance

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Parameter	Unit	Value
Operating Wavelength	nm	1260~1650
Insertion Loss	dB	7.0
Uniformity (Max.)	dB	0.8
PDL(Max.)	dB	0.2
TDL(Max.)	dB	0.5
Return Loss	dB	≥55(APC type connectors) / 50(UPC type connectors)
Directivity	dB	≥55
Working power		Long term: 500mW Short term: 1W
Operating & Storage Temperature	°C	-40~+85



Pre-Staged Nodes

Primary nodes are pre-configured to CityFibre specifications. (13SN example shown below)

om Output Talk Frem Spitter Trays	East Splitter 10 From Splitter Tray 8 West Splitter 10 From Splitter Tray 8 East Splitter 10 From Splitter Tray 8 West Splitter 10 From Splitter Tray 8	Orange Vialet Orange Vialet Blue	SPLICE TO SPLICE TO SPLICE TO SPLICE TO LAID UP LAID UP	Blue Orange Green Red Slate Yellow Blue	V12 Bistribution Tray 13	Ribre 1 Ribre 2 Ribre 3 Ribre 4 Ribre 5 Ribre 6 Ribre 1	SN13 Spiltter 1 SN13 Spiltter 2 SN13 Spiltter 3 SN13 Spiltter 4 SN13 Spiltter 5 SN13 Spiltter 6 SN13 Spiltter 1	uten Outgeing Distribution Bry Fibre to Secondary Node 13
Output Tails From Splitter Trays	West Spitter 9 From Spitter Tray 7 East Spitter 9 From Spitter Tray 7 West Spitter 9 From Spitter Tray 7	Brown Blue Brown	SPLICE TO SPLICE TO SPLICE TO LAID UP LAID UP	Green Red Slate Yellow	Distribution Tray 12	Fibre 2 Fibre 3 Fibre 4 Fibre 5 Fibre 6	SN12 Splitter 2 SN12 Splitter 3 SN12 Splitter 4 SN12 Splitter 5 SN12 Splitter 6	Outgoing Distribution Fibre to Secondary Node 12
Output Tails From Spilmor Trays	East Splitter 9 From Splitter Tray 7 West Splitter 9 From Splitter Tray 7 East Splitter 9 From Splitter Tray 7 West Splitter 9 From Splitter Tray 7	Blue Brown Blue Brown	SPUCE TO SPUCE TO SPUCE TO SPUCE TO LAID UP LAID UP	Blue Orange Green Red Slate Yellow	Distribution Tray 11.	Fibre 1 Fibre 2 Fibre 3 Fibre 4 Fibre 5 Fibre 6	SN11 Splitter 1 SN11 Splitter 2 SN11 Splitter 3 SN11 Splitter 4 SN11 Splitter 5 SN11 Splitter 6	Outgoing Distribution Ribre to Secondary Node 11
Output Tails From Spittoer Trays	East Splitter 3 From Splitter Tray 8 West Splitter 3 From Splitter Tray 8 East Splitter 3 From Splitter Tray 5 West Splitter 5 From Splitter Tray 5	Green Black Slata Pink	SPUCE TO SPUCE TO SPUCE TO SPUCE TO LAID UP LAID UP	Blue Orange Green Red Slate Yellow	Distribution Tray 3D	Fibre 1 Fibre 2 Fibre 3 Fibre 4 Fibre 5 Fibre 6	SN10 Splitter 1 SN10 Splitter 2 SN10 Splitter 3 SN10 Splitter 4 SN10 Splitter 5 SN10 Splitter 6	Outpoing Distribution Fibre to Secondary Node 10
Output Talk Frem Spitter Trays	East Splitter 3 From Splitter Tray 3 West Splitter 3 From Splitter Tray 3 East Splitter 5 From Splitter Tray 5 West Splitter 5 From Splitter Tray 5	Gneen Bisck Slate Pink	SPLICE TO SPLICE TO SPLICE TO SPLICE TO LAID UP LAID UP	Blue Orange Green Red Slate Slate Tellow	Distribution Tray 9	Fibre 1 Fibre 2 Fibre 3 Fibre 4 Fibre 5 Fibre 6	SN9 Splitter 1 SN9 Splitter 2 SN9 Splitter 3 SN9 Splitter 4 SN9 Splitter 5 SN9 Splitter 6	Outgoing Distribution // libre to Secondary Node 9
Output Tails From Spilton Trays	Exit Splitter 2 From Splitter Tray 2 West Splitter 2 From Splitter Tray 2 Exit Splitter 5 From Splitter Tray 5 West Splitter 5 From Splitter Tray 5	Orange Violet Slate Pink	SPUCE TO SPUCE TO SPUCE TO LAID UP LAID UP	Blue Orange Green Reo Slate Yellow	Distribution Tray &	Fibre 1 Fibre 2 Fibre 3 Fibre 4 Fibre 5 Fibre 6	SNB Splitter 1 SNB Splitter 2 SNB Splitter 3 SNB Splitter 4 SNB Splitter 5 SNB Splitter 6	Cungoing Distribution Hibre to Second any Node 8
Output Tals Frem Splitter Trays	East Splitter 2 From Splitter Tray 2 West Splitter 2 From Splitter Tray 2 East Splitter 5 From Splitter Tray 5 West Splitter 5 From Splitter Tray 5	Orange Violet Slate Pink	SPLICE TO SPLICE TO SPLICE TO SPLICE TO LAID UP LAID UP	Blue Orange Green Red Slate Tellow	Distribution Tray 7	Fibre 1 Fibre 2 Fibre 3 Fibre 4 Fibre 5 Fibre 6	SN7 Splitter 1 SN7 Splitter 2 SN7 Splitter 3 SN7 Splitter 4 SN7 Splitter 5 SN7 Splitter 6	Outpoing Distribution Fibre to Secondary Node 7
Output Talk From Splitter Trays	East Splitter 2 Prom Splitter Tray 2 West Splitter 2 Prom Splitter Tray 2 East Splitter 4 Prom Splitter Tray 4 West Splitter 4 Prom Splitter Tray 4	Orange Violet Red White	SPLICE TO SPLICE TO SPLICE TO SPLICE TO LAID UP LAID UP	Blue Orange Green Red Slate Slate Tellow	Distribution Tray 6	Fibre 1 Fibre 2 Fibre 3 Fibre 4 Fibre 5 Fibre 6	SNB Splitter 1 SNB Splitter 2 SNB Splitter 3 SNB Splitter 4 SNB Splitter 5 SNB Splitter 6	Outgoing Disorbution // litre to Secondary Node 6
Output Tails From Spitteer Trays	East Spiltter 2 From Spiltter Tray 2 West Spiltter 2 From Spiltter Tray 2 East Spiltter 4 From Spiltter Tray 4 West Spiltter 4 From Spiltter Tray 4	Orange Violet Red White	SPUCE TO SPUCE TO SPUCE TO SPUCE TO LAID UP LAID UP	Blue Orange Green Red Slate Yellow	Distribution Tray 5	Fibre 1 Fibre 2 Fibre 3 Fibre 4 Fibre 5 Fibre 6	SN5 Splitter 1 SN5 Splitter 2 SN5 Splitter 3 SN5 Splitter 4 SN5 Splitter 5 SN5 Splitter 6	Curgoing Distribution Hibre to Secondary Node S
Output Tals From Spätter Trays	East Splitter 1 Prom Splitter Tray 1 West Splitter 1 From Splitter Tray 1 East Splitter 4 Prom Splitter Tray 4 West Splitter 4 From Splitter Tray 6 East Splitter 6 From Splitter Tray 6 West Splitter 6 From Splitter Tray 6	Blue Brown Red White Tellow Aque	SPLICE TO SPLICE TO SPLICE TO SPLICE TO SPLICE TO SPLICE TO	Blue Orange Green Red State Tellow	Distribution Tray 4	Fibre 1 Fibre 2 Fibre 3 Fibre 4 Fibre 5 Fibre 6	SN4 Splitter 1 SN4 Splitter 2 SN4 Splitter 3 SN4 Splitter 4 SN4 Splitter 5 SN4 Splitter 6	Cutgoing Distribution libre to Secondary Node 4
OutputTalk From Spikter Trays	East Splitter 1 From Splitter Tray 1 West Splitter 1 From Splitter Tray 1 East Splitter 4 From Splitter Tray 4 West Splitter 4 From Splitter Tray 6 West Splitter 6 From Splitter Tray 6 West Splitter 6 From Splitter Tray 6	Blue Brown Red White Yellow Aqua	SPUCE TO SPUCE TO SPUCE TO SPUCE TO SPUCE TO SPUCE TO	Blue Orange Green Red Slate Yellow	Distribution Tray 3	Fibre 1 Fibre 2 Fibre 3 Fibre 4 Fibre 5 Fibre 6	SN3 Splitter 1 SN3 Splitter 2 SN3 Splitter 3 SN3 Splitter 4 SN3 Splitter 5 SN3 Splitter 6	Outgoing Disorbution / fore to Secondary Node 3
Output Tails From Spilmor Trays	East Splitter 1 From Splitter Tray 1 West Splitter 1 From Splitter Tray 1 East Splitter 3 From Splitter Tray 3 West Splitter 5 From Splitter Tray 8 West Splitter 6 From Splitter Tray 6	Blue Brown Green Black Tellow Aqua	SPUCE TO SPUCE TO SPUCE TO SPUCE TO SPUCE TO SPUCE TO	Blue Orange Green Red Siete Yellow	Distribution Tray 2	Fibre 1 Fibre 2 Fibre 3 Fibre 4 Fibre 5 Fibre 6	SN2 Splitter 1 SN2 Splitter 2 SN2 Splitter 3 SN2 Splitter 4 SN2 Splitter 5 SN2 Splitter 6	Onigoing Distribution Fibre to Secondary Nede 2
Output Tails From Spitter Trays	East Splitter 1 From Splitter Tray 1 West Splitter 1 From Splitter Tray 1 East Splitter 3 From Splitter Tray 5 West Splitter 3 From Splitter Tray 6 West Splitter 6 From Splitter Tray 6	Blue Brown Green Black Tellow Aque	SPLICE TO SPLICE TO SPLICE TO SPLICE TO SPLICE TO SPLICE TO	Blue Orange Green Red State Tellow	Distribution Tray 1	Fibre 1 Fibre 2 Fibre 3 Fibre 4 Fibre 5 Fibre 6	SN1 Splitter 1 SN1 Splitter 2 SN1 Splitter 3 SN1 Splitter 4 SN1 Splitter 5 SN1 Splitter 6	Cutgoing Distribution Fibre to Secondary Node 1

Undergrour	Incoming Core Fibre from the East & West FEa ODF	Tube 4 Tube 4 Tube 4 Tube 4 Tube 4 Tube 4 Tube 4	Fibre 1 Fibre 2 Fibre 3 - 12 Fibre 1 Fibre 2 Fibres 3 - 12	Blue Orange	SPLICE TO ICED THROU SPLICE TO ICED THROU	Diue Orange	Core Tray 3	West Splitter 9 From Splitter Tray 7 West Splitter 10 From Splitter Tray 8 West Core Spliced to East Core Cable East Splitter 9 From Splitter Tray 7 East Splitter 10 From Splitter Tray 8 East Core Spliced to West Core Cable	Ingust Task From Systeme Trays and Splices from East to West Core Cable
nd Primary No	Incoming Core Fibre from the East FEx ODF	Tube 1 Tube 1 Tube 1 Tube 1 Tube 1 Tube 1	Fibre 1 Fibre 2 Fibre 3 Fibre 4 Fibre 5 Fibre 6	Mue Orange Green Red Slate Yellow	SPUCE TO SPUCE TO SPUCE TO SPUCE TO SPUCE TO SPUCE TO	Diue Orange Green Feel Slate Yellow	Core Tray 2	East Splitter 1 From Splitter Tray 1 East Splitter 2 From Splitter Tray 2 East Splitter 3 From Splitter Tray 3 East Splitter 4 From Splitter Tray 4 East Splitter 4 From Splitter Tray 5 East Splitter 5 From Splitter Tray 5	leput Tak From Spitter Trays
ode serving 1	Incoming Core Fibre from the West FEx COF	Tube 1 Tube 1 Tube 1 Tube 1 Tube 1 Tube 1	Fibre 1 Fibre 2 Fibre 3 Fibre 4 Fibre 5 Fibre 6	Diue Orange Green Fiel Slate Yellow	SPUCE TO SPUCE TO SPUCE TO SPUCE TO SPUCE TO SPUCE TO	Brown Violet Black White Peak Agus	Core Tray 1	West Splitter 1 From Splitter Tray 1 West Splitter 2 From Splitter Tray 2 West Splitter 3 From Splitter Tray 3 West Splitter 4 From Splitter Tray 4 West Splitter 5 From Splitter Tray 5	legut Talk From Splitter Trays
Underground Primary Node serving 13 Secondary Nodes Distribution Trays:									
odes Distributi									
on Trays:									

Ordering Information	Ordering	Information
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Part number

CFNB-PRI-104-xxSN

Description

U/G Primary Node

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