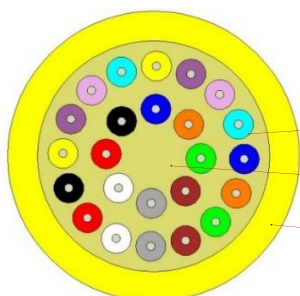


UCFIBRE® 2-24 Fibres MTV Series Indoor Tight Buffer Distribution Cable, OFNR



- not to scale -

- **Tight buffer:** Each fibre is coated to 0.9mm with PVC.
- **Strength Member:** Aramid yarn.
- **Outer Sheath:** PVC.

Application

Suitable for indoor installation requiring riser(OFNR) application, include LAN and WAN backbones, central office interconnections, backbones in data centers and many other.

Standards

ANSI/TIA-568-C.3, GR-409-CORE, RoHS
UL 1651

Technical data

No. of Fibres		2,4,6	8	12	24
Design		1×2,4,6 TB	1×8 TB	1×12 TB	1×24 TB
Tight buffer	mm	0.9 ± 0.05	0.9 ± 0.05	0.9 ± 0.05	0.9 ± 0.05
Outer sheath nominal thickness	mm	0.7	0.75	0.75	0.9
Cable nominal diameter	mm	4.8	5.4	6.2	8.8
Cable nominal weight	kg / km	20	26	33	60
Min. bending radius	mm	Without Tension 10 × Cable-Ø		Under Maximum Tension 20 × Cable-Ø	
Temperature range	°C	Installation -10 -> +60	Transport & Storage -40 -> +70		Operation -20 -> +70

Main characteristics

Test	Standard	Value	Sanction*
Short term tension	IEC 60794-1-2-E1	660N (2~12F) 1200N (24F)	Fibre strain ≤ 0.6%, Δα reversible
Max operation tension	IEC 60794-1-2-E1	198N (2F-12F) 340N (24F)	Fibre strain ≤ 0.2%, Δα ≤ 0.4 dB(MM), ≤0.30(SM)
Crush (short term)	IEC 60794-1-2-E3	1000 N / 100mm	Δα ≤ 0.4 dB(MM), ≤0.30(SM), no damage
Temperature range	IEC 60794-1-2-F1	-20 -> +70°C	Δα ≤ 0.6 dB /km(MM), ≤ 0.40dB/km(SM)

* values for multi-mode fibres, all optical measurements performed at 1300 nm

* values for single-mode fibres, all optical measurements performed at 1550 nm

Optical Characteristics

See the attached cabled optical fibre data sheet.

Identification

Tight Buffer Colour

Table for Colour coding of Buffered Fibre						
Element No.	1	2	3	4	5	6
Colour	Blue	Orange	Green	Brown	Grey	White
Element No.	7	8	9	10	11	12
Colour	Red	Black	Yellow	Violet	Pink	Aqua
Element No.	13	14	15	16	17	18
Colour	Blue with black tracer	Orange with black tracer	Green with black tracer	Brown with black tracer	Grey with black tracer	White with black tracer
Element No.	19	20	21	22	23	24
Colour	Red with black tracer	light Green with black tracer	Yellow with black tracer	Violet with black tracer	Pink with black tracer	Aqua with black tracer

Sheath Colour:

Table for Sub-unit & Outer Sheath Colour						
Fibre Type	Singlemode	OM1	OM2	OM3	OM4	OM5
Colour	Yellow	Orange	Orange	Aqua	Erika Violet	Lime Green

Sheath Marking:

The outer sheath is inkjet marked in 1 meter intervals as follows:

PRYSMIAN UC FIBRE OPTIC CABLE (UL) OFNR Exxxxxx INDOOR TIGHT BUFFER <UC Part Number> <BATCHCODE> <FIBRE CORE QTY x FIBRE TYPE> <FC> <XXXX> M

<UC Part Number> : MTV<***><MY>

<***> : Fibre core qty i.e. 2 to 24 fibre

<MY> : Transmission mode i.e. **M1** = OM1 , **M2** = OM2 , **M3** = OM3 , **M4** = OM4 , **SM** = G.652D , **A1** = G.657A1 , **A2** = G.657A2

Exxxxxx: UL certificated factory code

<FIBRE TYPE> : OM1 / OM2 / OM3 / OM4 / G.652D / G.657A2 / G.657A1

<BATCHCODE> : Factory defined tracking code, e.g. MM/YYYY or WW/YYYY

<FC> : Draka defined factory Code

<XXXX> : increasing length marking by 1 meter

Logistic

Packing:

Wooden drums with protection.

Delivery Lengths:

Standard delivery length is 2 km with a tolerance of $\pm 5\%$.

Enquiries

Please contact our local sales office or email to: mms.asia@prysmiangroup.com

Multimedia Solutions is the data communication portfolio of Prysmian Group and comprises all the necessary portfolio of cable solutions for data communication.

Ask about UC CONNECT for a complete Structured Cabling Solutions with 25 Years System Warranty.

Visit www.drakauc.com for more information.

© PRYSMIAN GROUP 2022, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.