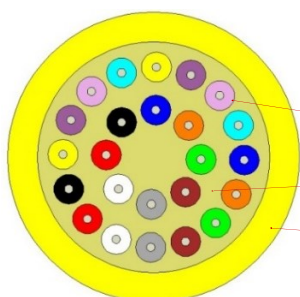


## UCFIBRE® 2-24 Fibres MT Series Indoor Tight Buffer Distribution Cable, LSZH Sheath



- not to scale -

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

### Application

Suitable for indoor installation requiring flame retardant, low smoke and halogen free environment, include LAN and WAN backbones, central office interconnections, backbones in data centers and many other.

### Standards

ANSI/TIA-568-C.3, ISO/IEC 11801, EN 50173, GR-409-CORE, IEC 60794-2, RoHS  
IEC60332-3-22, IEC60332-3-24, IEC60332-1, IEC60754-1/2, IEC61034-2

### 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
Impact	IEC 60794-1-2-E4	R=300mm, 2.94J, 3 impacts.	Δα ≤ 0.4 dB(MM), ≤0.30(SM), no damage
Torsion	IEC 60794-1-2-E7	1m, 180°, 10cycles	Δα ≤ 0.4 dB(MM), ≤0.30(SM), no damage
Bend	IEC 60794-1-2-E11	R=20xOD, 4 turns, 3cycles	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 LSZH INDOOR TIGHT BUFFER <UC Part Number> <BATCHCODE> <FIBRE CORE QTY x FIBRE TYPE> <FC> <XXXX> M

<UC Part Number> : MT<\*\*\*><MY>

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

<MY> : Transmission mode i.e. **M1** = OM1 , **M2** = OM2 , **M3** = OM3 , **M4** = OM4 , **M5** = OM5 , **SM** = G.652D ,  
**A1** = G.657A1 , **A2** = G.657A2

<FIBRE TYPE> : OM1 / OM2 / OM3 / OM4 / OM5 / 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  $\pm 5\%$ .

## Ordering information

UC Part Number	SAP1C	Description	Fibre count	Fibre type
MT012SM	60074445	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, YELLOW, 12C 9/125um G.652D	12	G652D

## Enquiries

Please contact our local sales office or email to: [mms.asia@prysmiangroup.com](mailto:mms.asia@prysmiangroup.com)

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