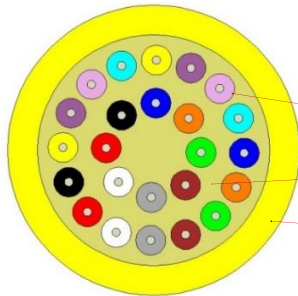


UCFIBRE® 2-24 Fibres MT Series Indoor Tight Buffer Distribution Cable, LSZH Sheath



- 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
IEC60332-3-24, 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
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 , **SM** = G.652D , **A1** = G.657A1 , **A2** = G.657A2

<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 ± 5%.

Ordering information

UC Part Number	SAP1C	Description	Fibre count	Fibre type
MT002SM	60075993	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, YELLOW, 2C 9/125um G.652D	2	G652D
MT004SM	60074444	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, YELLOW, 4C 9/125um G.652D	4	G652D
MT006SM	60073993	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, YELLOW, 6C 9/125um G.652D	6	G652D
MT008SM	60074905	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, YELLOW, 8C 9/125um G.652D	8	G652D
MT012SM	60074445	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, YELLOW, 12C 9/125um G.652D	12	G652D
MT024SM	60073979	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, YELLOW, 24C 9/125um G.652D	24	G652D
MT002M1		UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, ORANGE, 2C 62.5/125um OM1	2	OM1
MT004M1	60073874	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, ORANGE, 4C 62.5/125um OM1	4	OM1
MT006M1		UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, ORANGE, 6C 62.5/125um OM1	6	OM1
MT008M1		UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, ORANGE, 8C 62.5/125um OM1	8	OM1
MT012M1		UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, ORANGE, 12C 62.5/125um OM1	12	OM1
MT024M1		UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, ORANGE, 24C 62.5/125um OM1	24	OM1
MT002M2	60078259	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, ORANGE, 2C 50/125um OM2	2	OM2
MT004M2	60078257	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, ORANGE, 4C 50/125um OM2	4	OM2
MT006M2	60067568	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, ORANGE, 6C 50/125um OM2	6	OM2
MT008M2	60077650	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE	8	OM2

		TIGHT BUFFER/ARAMID YARN/LSZH, ORANGE, 8C 50/125um OM2		
MT012M2	60077649	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, ORANGE, 12C 50/125um OM2	12	OM2
MT024M2	60078258	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, ORANGE, 24C 50/125um OM2	24	OM2
MT002M3	60087013	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, AQUA, 2C 50/125um OM3	2	OM3
MT004M3	60073977	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, AQUA, 4C 50/125um OM3	4	OM3
MT006M3	60074082	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, AQUA, 6C 50/125um OM3	6	OM3
MT008M3	60076193	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, AQUA, 8C 50/125um OM3	8	OM3
MT012M3	60074446	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, AQUA, 8C 50/125um OM3	12	OM3
MT024M3	60074583	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, AQUA, 24C 50/125um OM3	24	OM3
MT004M4	60090491	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, ERIKA VIOLET, 4C 50/125um OM4	4	OM4
MT006M4	60090492	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, ERIKA VIOLET, 6C 50/125um OM4	6	OM4
MT008M4	60090493	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, ERIKA VIOLET, 8C 50/125um OM4	8	OM4
MT012M4	60090494	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, ERIKA VIOLET, 12C 50/125um OM4	12	OM4
MT024M4	60090495	UCFIBRE TIGHT BUFFER FIBRE OPTIC CABLE TIGHT BUFFER/ARAMID YARN/LSZH, ERIKA VIOLET, 24C 50/125um OM4	24	OM4

Enquiries

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

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