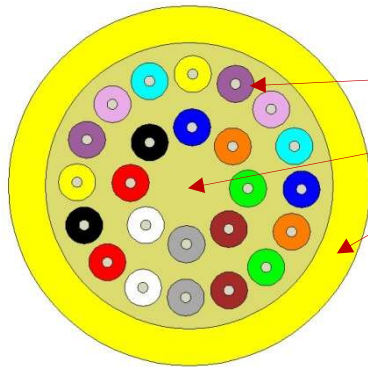


UCFIBRE™ 2-24 Core MT Series Indoor Tight Buffer Distribution Cable, LSZH Sheath

Cable Design

GR-409-CORE



- not to scale -

- **Tight buffer:** Each fibre is coated to 0.9mm with LSZH.
- **Strength Member:** Aramid yarn.
- **Outer Sheath:** LSZH.
- **Compliant to IEC60332-3-24, IEC60332-1, IEC60754-1/2, IEC61034-2**
- **Suitable for indoor installation requiring flame retardant, low smoke and halogen free environment**

Standards

GR-409-CORE, ISO 11801 2nd edition, EN 50173-1:2002

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 thickness	mm	0.7 nominal	0.75 nominal	0.75 nominal	0.9 nominal
Cable nominal diameter	mm	4.8 nominal	5.4 nominal	6.2 nominal	8.8 nominal
Cable 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	Multimode 62.5/125 (OM1)	Multimode 50/125 (OM2)	Multimode 50/125 OM3	Multimode 50/125 OM4	Multimode 50/125 OM5
Colour	Yellow	Orange	Orange	Aqua	Aqua	Lime Green

Sheath Marking:

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

PRYSMIAN UC FIBRE OPTIC CABLE LSZH INDOOR TIGHT BUFFER <UC Product Code > <BATCHCODE> <FIBRE CORE QTY x FIBRE TYPE> <FC> <xxxx> M

<UC Product Code> : MT<***><MY>

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

<MY> : Transmission mode i.e. OM1–M1, OM2–M2, OM3–M3, OM4–M4, G.652D–SM, G.657A1–A1, G657A2–A2

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

<BATCHCODE> : Factory defined tracking code MM/YYYY or WW/YYYY

<FC> : Draka defined factory Code

<XXXX> : increasing length marking by 1metre

Logistic

Packing:

Wooden drums with protection.

Delivery Lengths:

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

Order Information

Material Code	Material Description	ASEAN Part No.	Fibre Count	Fibre Type
60075993	UCFIBRE I DI LSZH-FR LB9 2 SM2D YL	MT002SM	2	G652D
60074444	UCFIBRE I DI LSZH-FR LB9 4 SM2D YL	MT004SM	4	G652D
60073993	UCFIBRE I DI LSZH-FR LB9 6 SM2D YL	MT006SM	6	G652D
60074905	UCFIBRE I DI LSZH-FR LB9 8 SM2D YL	MT008SM	8	G652D
60074445	UCFIBRE I DI LSZH-FR LB9 12 SM2D YL	MT012SM	12	G652D
60073979	UCFIBRE I DI LSZH-FR LB9 24 SM2D YL	MT024SM	24	G652D
	UCFIBRE I DI LSZH-FR LB9 2 MM61 OR	MT002M1	2	OM1
60073874	UCFIBRE I DI LSZH-FR LB9 4 MM61 OR	MT004M1	4	OM1
	UCFIBRE I DI LSZH-FR LB9 6 MM61 OR	MT006M1	6	OM1
	UCFIBRE I DI LSZH-FR LB9 8 MM61 OR	MT008M1	8	OM1
	UCFIBRE I DI LSZH-FR LB9 12 MM61 OR	MT012M1	12	OM1
	UCFIBRE I DI LSZH-FR LB9 24 MM61 OR	MT024M1	24	OM1
60078259	UCFIBRE I DI LSZH-FR LB9 2 OM2B OR	MT002M2	2	OM2
60078257	UCFIBRE I DI LSZH-FR LB9 4 OM2B OR	MT004M2	4	OM2
60067568	UCFIBRE I DI LSZH-FR LB9 6 OM2B OR	MT006M2	6	OM2
60077650	UCFIBRE I DI LSZH-FR LB9 8 OM2B OR	MT008M2	8	OM2
60077649	UCFIBRE I DI LSZH-FR LB9 12 OM2B OR	MT012M2	12	OM2
60078258	UCFIBRE I DI LSZH-FR LB9 24 OM2B OR	MT024M2	24	OM2
	UCFIBRE I DI LSZH-FR LB9 2 OM3B AQ	MT002M3	2	OM3
60073977	UCFIBRE I DI LSZH-FR LB9 4 OM3B AQ	MT004M3	4	OM3
60074082	UCFIBRE I DI LSZH-FR LB9 6 OM3B AQ	MT006M3	6	OM3
60076193	UCFIBRE I DI LSZH-FR LB9 8 OM3B AQ	MT008M3	8	OM3
60074446	UCFIBRE I DI LSZH-FR LB9 12 OM3B AQ	MT012M3	12	OM3
60074583	UCFIBRE I DI LSZH-FR LB9 24 OM3B AQ	MT024M3	24	OM3
	UCFIBRE I DI LSZH-FR LB9 2 OM4B AQ	MT002M4	2	OM4
	UCFIBRE I DI LSZH-FR LB9 4 OM4B AQ	MT004M4	4	OM4
60078187	UCFIBRE I DI LSZH-FR LB9 6 OM4B AQ	MT006M4	6	OM4
60076206	UCFIBRE I DI LSZH-FR LB9 8 OM4B AQ	MT008M4	8	OM4

60074108	UCFIBRE I DI LSZH-FR LB9 12 OM4B AQ	MT012M4	12	OM4
60078153	UCFIBRE I DI LSZH-FR LB9 24 OM4B AQ	MT024M4	24	OM4

Enquiries

Please contact our local sales offices or mms.asia@prysmiangroup.com

UCFIBRE™ covers the fibre optical cables under Draka Structured Cable Solutions for Fibre & Copper.

Ask about UCONNECT™ for a complete Fibre Optics Solutions with 25 Years System Warranty.

Visit www.DrakaUC.com for more information.

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