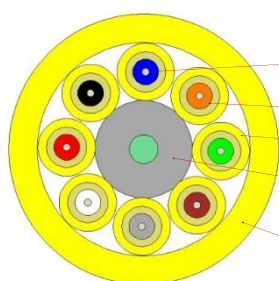


UCFIBRE® 2-12 Fibres MB Series Breakout Distribution Cable, LSZH Sheath



- not to scale -

- **Buffer Coating:** LSZH material, 0.9mm tight buffered fibre
- **Strength Member:** Aramid yarn within each sub-unit
- **Sub-unit sheath:** LSZH
- **Central Strength Member:** FRP with up-coating when needed
- **Outer Sheath:** LSZH

Application

Easy to strip and excellent for use in indoor installations requiring efficient terminations, and also in flame retardant, low smoke and halogen free environments.

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
Design		Breakout			
Buffer Diameter - Ø	mm	0.9 ± 0.05	0.9 ± 0.05	0.9 ± 0.05	0.9 ± 0.05
CSM/sheath nominal diameter	mm	1.0	1.0/2.2	2.0/3.5	2.0/6.2
Sub-unit nominal sheath thickness	mm	0.35	0.35	0.35	0.35
Sub-units nominal diameter	mm	2.0	2.0	2.0	2.0
Outer sheath nominal thickness	mm	1.0	1.0	1.0	1.0
Cable nominal diameter	mm	7.0	8.2	9.5	12.3
Cable nominal weight	kg / km	48	64	89	149
Min. bending radius		Without Tension 10 x Cable-Ø		Under Maximum Tension 20 x Cable-Ø	
Temperature range	°C	Installation -10 -> +60;	Transport & Storage -40 -> +70;		Operation -20 -> +70

Main characteristics

Test	Standard	Value	Sanction*
Maximum Tension at installation (short term)	IEC 60794-1-2-E1	660N	$\Delta l/l \text{ fibre} \leq 0.6\%$, $\Delta \alpha$ reversible

Tension opération max (long term)	IEC 60794-1-2-E1	198N	$\Delta I/I \text{ fibre} \leq 0.2\%$, $\Delta \alpha \leq 0.30 \text{ dB(SM)}/0.40 \text{ dB(MM)}$
Crush	IEC 60794-1-2-E3	1000N / 100mm	$\Delta \alpha \leq 0.30 \text{ dB(SM)}/0.40 \text{ dB(MM)}$, cable integrity

* 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

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 BREAKOUT <UC Part Number> <BATCHCODE> <FIBRE QTY x FIBRE TYPE> <FC> <XXXX>M

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

<***> : Fibre core qty i.e. 2 to 12 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 $\pm 5\%$.

Enquiries

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

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

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