

UC^{FIBRE™} MB SERIES

2-12 Core, Indoor, Breakout, Tight Buffer Distribution Cable, LSZH

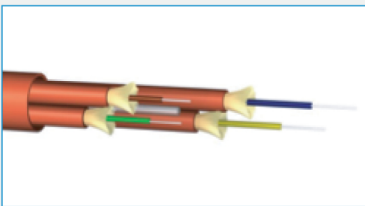
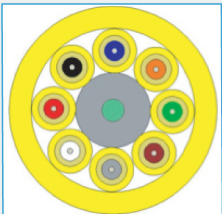
Features

- **Buffer Coating** : LSZH, 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
- Easy to strip and excellent for use in indoor installations requiring efficient terminations

Main characteristics

Test	Standard	Value	Sanction*
Maximum Tension at installation (short term)	IEC 60794-1-2-E1	600N	$\Delta I/I$ fibre $\leq 0.6\%$, $\Delta \alpha$ reversible
Tension opération max (long term)	IEC 60794-1-2-E1	198N	$\Delta I/I$ fibre $\leq 0.2\%$, $\Delta \alpha \leq 0.30$ dB(SM)/ 0.40 dB(MM)
Crush	IEC 60794-1-2-E3	1000 N / 100mm	$\Delta \alpha \leq 0.30$ dB(SM)/ 0.40 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



Overview

MB Series provides easy stripping and terminations in indoor application due to its unique tight buffering of each fibre unit.

Additional Options

- PVC Sheath (MBV Series)
- PE Sheath (MBP Series)
- PE Sheath for outdoor applications
- Steel Wire Braiding for armouring protection

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 diameter	mm	1.0 nominal	1.0/2.2 nominal	2.0/3.5 nominal	2.0/6.2 nominal
Sub-unit sheath thickness	mm	0.35 nominal	0.35 nominal	0.35 nominal	0.35 nominal
Sub-units diameter	mm	2.0 ± 0.15	2.0 ± 0.15	2.0 ± 0.15	2.0 ± 0.15
Outer sheath thickness	mm	1.0 nominal	1.0 nominal	1.0 nominal	1.0 nominal
Cable Diameter (AxB)	mm	7.0 ± 0.5	8.2 ± 0.5	0.9 ± 0.5	12.3 ± 0.5
Cable Weight	kg / km	48	64	89	149
Min. bending radius		Without Tension 10 × Cable-Ø		Under Maximum Tension 20 × Cable-Ø	
Temperature range	°C	Installation -10 -> +60;		Transport. & Storage -40 -> +70 ;	Operation -20 -> +70
Flame Retardant		IEC 60332-3-24			

* For Ordering Information, please contact us, indicating model series, no.of fibre cores, and transmission mode required.