

# UC<sup>FIBRE™</sup> MT SERIES

## 2-24 Core, Indoor Tight Buffer Distribution Cable, LSZH

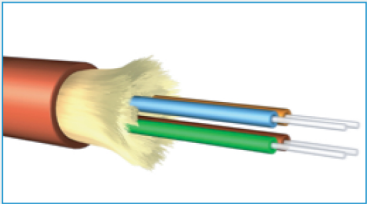
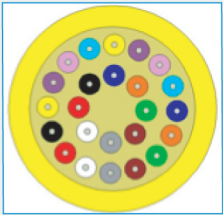
### Features

- **Tight buffer** : Each fibre is coated to 0.9mm with LSZH
- **Strength Member** : Aramid yarn
- **Outer Sheath** : LSZH compliant to IEC 61034, IEC 60754-1&2, IEC 60332-1-2 & 60332-3-24 for excellent indoor flame retardant safety
- **Suitable for Indoor Installation requiring fire performances properties**

### Main characteristics

Test	Standard	Value	Sanction*
<b>Maximum installation load (a few hours)</b>	IEC 60794-1-2-E1	1000 N (2F-8F), 1200N (12F, 24F)	Fibre strain ≤ 0.6%, Δα reversible
<b>Short term tensile strength (some days)</b>	IEC 60794-1-2-E1	600N	Fibre strain ≤ 0.4%, Δα reversible
<b>Max operation tension</b>	IEC 60794-1-2-E1	280N (2F-12F), 340N (24F)	Fibre strain ≤ 0.2%, Δα ≤ 0.4 dB(MM), ≤0.30(SM)
<b>Crush (short term)</b>	IEC 60794-1-2-E3	1000 N / 100mm	Δα ≤ 0.4 dB(MM), ≤0.30(SM), no damage
<b>Temperature range</b>	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



### Overview

One of the most widely used UC<sup>FIBRE™</sup> Indoor cable, MT series is excellent for indoor installation that provides a safe setup against flame propagation and its flexible yet robust construction makes installation at ease.

### Additional Options

- PVC Sheath
- PE Sheath for outdoor applications
- Steel Wire Braiding for armouring protection.

### Technical data

No. of Fibres		2,4,6	8	12	24
Design		1x6 TB	1x8 TB	1x12 TB	1x24 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	
Flame Retardant		IEC 60332-3-24			

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