

## UK DS Indoor Drop 1-4F x 1 SM G.657B3 250u

# FibreFast

## Indoor LSZH Cable 1-4F (4.8mm)

### Product Description

An Indoor rated cable design suitable for installation in buildings. The cable complies with CPR requirements, making it suitable for use in riser spaces and other indoor pathways where fire safety is a priority.

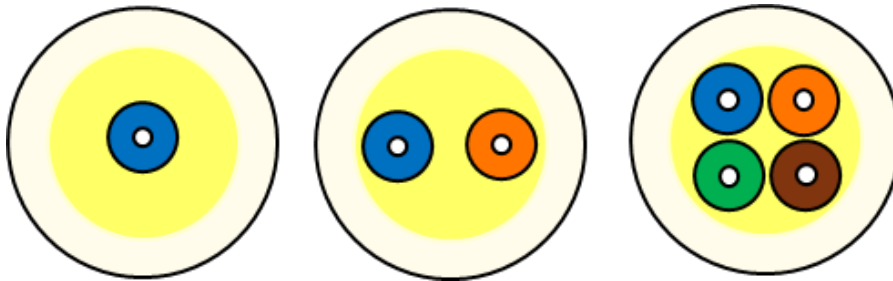
This cable design is ideal for vertical riser and horizontal installations.

Cable Performance Standards IEC 60793-1, IEC 60793-2, IEC 60794-2

Cable CPR rating Cca-s1a,d1,a1

### Marking and Identification

#### Cable Cross section:



- Optical Fibre – tight buffer LSZH
- Aramid Yarn
- Outer sheath LSZH (White), UV

#### Tube and Fibre colour:

according to EIA 598 – different colours upon request.



1 Blue 2 Orange 3 Green 4 Brown

#### Sheath colour:

Cable sheath is white

#### Cable Marking:

The outer sheath is marked in one meter intervals.

Emtelle FibreFast – Year/week – Fibre Count, Fibre Type – Product Code – Batch ID – Meter Mark

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### Specifications

#### Technical:

Fibre Count	1F	2F	4F
Number of Fibres/Tube	1	2	4
Outer Sheath	low smoke zero halogen (LSZH)		
Cable Diameter – Ø (± 0.5 mm)	4.8 mm		
Peripheral Strength Member	Aramid Yarns		
Cable Weight (kg /km) ± 20%	16.8 kg/km	17.8 kg/km	19.7 kg/km
Minimum Bending Radius (Static)	10D		
Minimum Bending Radius (Dynamic)	20D		
Temperature Range	Transport & Storage	-20°C → +60°C	
	Installation	-10°C → +60°C	
	Operation	-20°C → +60°C	

#### Performance:

Test	Standard	Specified Value
Tensile Performance	IEC 60794-1-21-E1	500N
Crush	IEC 60794-1-21-E3	1000 N/100 mm
Impact	IEC 60794-1-21-E4	5 N.m
Torsion	IEC 60794-1-21-E7	±180° 5 cycles
Temperature Cycling	IEC 60794-1-22-F1	-20 °C to +60 °C
Minimum Bend Radius	IEC-60794-1-21-E11	10xD

#### Optical Parameters:

Fibre Type	G.657B3		
Attenuation	1310 nm	≤ 0.4 dB/km	
	1550 nm	≤ 0.3 dB/km	
MFD	1310 nm	8.2-9.0	
	1550nm	9.1-10.1	
Bending Induced Attenuation	1 Turn φ 5mm	1550 nm	≤ 0.15 dB
		1625 nm	≤ 0.45 dB
Core-Cladding Concentricity Error	≤ 0.5 µm		
Cladding Diameter	125 ± 0.7 µm		
Cladding Non Circularity	≤ 0.7 %		
Primary Coating Diameter (uncoloured)	242 ± 5 µm		

### Packaging and Labelling

All products suitably packaged in recyclable materials and clearly labelled with Emtelle Product Code and Description where possible.

Wooden drums with protection.

### END OF SPECIFICATION