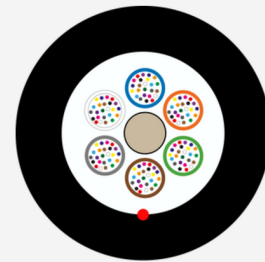


# Multimode OM4 Indoor Multi-Fiber Breakout Cable, LSZH - FFLM4MTx



## DESCRIPTION

FABNET Indoor Low Smoke Zero Halogen (LSZH) Breakout Cables are perfectly suited for rugged applications and installations requiring increased performance. LSZH-rated I/O Breakout cables are available from 48-144 count with variable sub-cable dimensions to support specific termination and routing requirements. The offered cables are fully compliant with the relevant IEC specifications. Each individual fiber is coated with a tight buffer layer, which provides physical protection and simplifies handling and termination.

## APPLICATIONS

- Operates at wavelengths of 850 nm and 1300 nm.
- ETHERNET: 10BASE - 10GBASE(100BASE, 1000BASE, 10GBASE).
- Metal free indoor cable
- Completely dry design
- Halogen free and non-corrosive fire gases
- Cables are specifically designed for indoor applications, mainly used in intra-building

## SPECIFICATIONS & FEATURES

- Compliant with ANSI/TIA-568.3-D, ISO/IEC 11801
- Outer Jacket: LSZH (Low Smoke Zero Halogen) flame retardant, Violet/Black
- 900 Microns Tight buffered fibers support fast field installations.
- High Modulus, Aramid yarn as a peripheral strength member.

## MECHANICAL & PHYSICAL PROPERTIES

<b>Number of cores</b>	48 to 144 Cores	<b>Fiber Type</b>	OM4 Multimode (G.651)
<b>Impact Resistance</b>	Wp=1.0 J, 20	<b>Max. Tensile Strength</b>	2000 N (Installation)
<b>Tensile Force</b>	1500 N (In Service)	<b>Crush Resistance</b>	1000 N (Long Term)
<b>Flame Test</b>	IEC 60332-1-2	<b>Cable Bending</b>	R= 20 x D, 6 turns, 10 cycles
<b>Color of Fibers in Per Tube (12 Core)</b>	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua	<b>Operating Temperature</b>	-40 to +70 °C
<b>Flammability Rating</b>	EuroClass/LSZH	<b>Installation Temperature</b>	-40 to +70 °C
<b>Jacket Color</b>	Violet/Black	<b>Storage Temperature</b>	-30 to +60 °C
<b>Flame Test</b>	IEC 60332-1-2	<b>Repeated Bending</b>	R= 20 x D, 25 cycles, 40 N

## TRANSMISSION CHARACTERISTICS & RATINGS

Attenuation at 850 nm (dB/Km)	≤ 2.5
Attenuation at 1300 nm (dB/Km)	≤ 0.8
Fire Propagation	IEC 60332-1-2
Smoke Density	IEC 61034-2
Halogen Acid Gas	IEC 60754-1
Degree of Acidity	IEC 60754-2
2011/65/EC (RoHS)	Compliant
Euroclass CPR Level	B2ca, s1a, d0, a1

## PACKING DETAILS

Length (Mtr)	Approx. OD(mm)	Packaging Type
1000	9.4±0.5 to 16.5±0.5	DRUM
2000	9.4±0.5 to 16.5±0.5	DRUM

## ORDERING INFORMATION

FFLM4MTx	Multimode OM4 Indoor Multi-Fiber Breakout Cable, LSZH, Violet
x-Fiber Core Variants (48/72/96/144)	