

## OM5 Multimode 50/125µm Fiber Optic Tight Buffered Cable

### DESCRIPTION

MICROLINK OM5 50/125µm tight buffered optical fibre cables have been designed specifically for internal and external applications. These compact, lightweight cables are extremely flexible and are quick and easy to install.

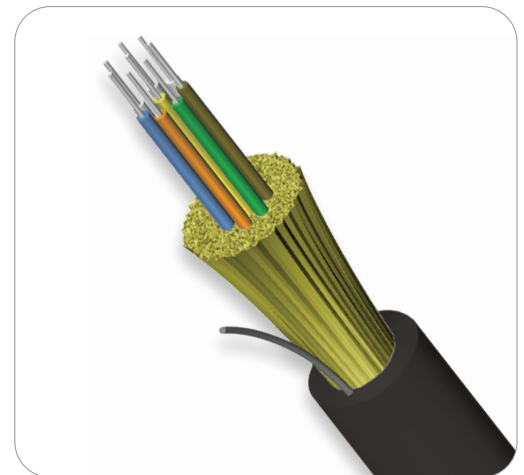
Our cables are constructed around an E-Glass strength member containing up to 24 colour coded 900µm tight buffered fibres, covered with a flame retardant, low smoke zero halogen, outer sheath

### FEATURES AND BENEFITS

- ✓ Fibre type Multi mode 50/125µm
- ✓ Number of Cores 4 - 24
- ✓ Category OM5
- ✓ Outer sheath material Copolymer
- ✓ Rodent resistant
- ✓ Outer sheath colour Black
- ✓ Reaction-to-fire class - EN 13501-6 Dca
- ✓ Smoke development class - EN 13501-6 s2
- ✓ Euro class flaming droplets/particles - EN 13501-6 d0

### STANDARDS

ANSI/TIA 568-3.D  
ANSI/TIA/EIA 598-D  
ISO/IEC 11801-1:2017  
ITU G.651.1  
IEC 60332-1-2  
IEC 60754-2  
IEC 60793-1-1



Indoor



Outdoor



FTTx

FTTx



Data center



Halogen free

### COLOUR CODING (AS PER TIA-598-C)



For fiber core counts above 12 the colour sequence is repeated with the addition of a mark every 70mm for cores 13-24 and two marks for 25-36 and so on



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### FIBER SPECIFICATIONS

FEATURES	UNIT	Specification	
		G.652D	
Mode Field Diameter	1310nm	μm	9.2±0.4
	1550nm	μm	10.4±0.5
Cladding Diameter		μm	124.8±0.7
Cladding Non-Circularity		%	≤0.7
Core-Cladding Concentricity Error		μm	≤0.5
Coating Diameter		μm	245±5
Coating Non-Circularity		%	≤6.0
Cladding-Coating Concentricity Error		μm	≤12.0
Cable Cutoff Wavelength		nm	$\lambda_{cc} \leq 1260$
Attenuation(max.)	1310nm	dB/km	≤0.5
	1550nm	dB/km	≤0.5

### CABLE SPECIFICATIONS

FEATURES	UNIT	VALUES		
Tight-buffered Fiber	Dimension	900μm±50μm		
	Material	LSZH		
	Color	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Purple, Pink, Aqua		
Strength Member	Material	Water blocking Glass yarn		
Fiber Count		6	12	24
Jacket	Dimension (±0.3mm)	6.6mm	7.0mm	8.5mm
	Thickness	1.1mm±0.1mm		
	Material	LSZH		
	Color	Black		
Fiber Count		2-12		24
Tension (Long Term)	N	400		550
Tension (Short Term)	N	800		1100
Crush (Long Term)	N/10cm	300		
Crush (Short Term)	N/10cm	1000		
Min. Bend Radius (Dynamic)	mm	20D		
Min. Bend Radius (Static)	mm	10D		
Installation Temperature	°C	-30~+60		
Operating Temperature	°C	-30~+60		
Storage Temperature	°C	-40~+60		

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### ORDER INFORMATION

PART NUMBER	DESCRIPTION
MK-TB4C105MM	50/125µm (OM5) TB, MM LSZH, 4 Core Universal Cable
MK-TB6C105MM	50/125µm (OM5) TB, MM LSZH, 6 Core Universal Cable
MK-TB12C105MM	50/125µm (OM5) TB, MM LSZH, 12 Core Universal Cable
MK-TB16C105MM	50/125µm (OM5) TB, MM LSZH, 16 Core Universal Cable
MK-TB24C105MM	50/125µm (OM5) TB, MM LSZH, 24 Core Universal Cable

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