

## OM2 Multimode 50/125µm Fiber Optic Armoured Loose Tube

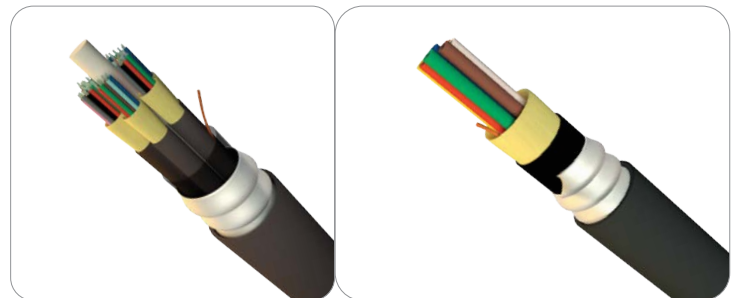
### DESCRIPTION

MICROLINK corrugated steel tape (CST) OM2 50/125µm armoured loose tube optical fiber cables have been designed specifically for applications requiring a high degree of mechanical protection. These compact, lightweight cables are extremely rugged, provide rodent resistance and are quick and easy to install.

Our cables are constructed around a silica gel filled tube(s) containing up to 24 colour coded 250µm buffered fibers, which is covered with E-glass strength members.

### FEATURES AND BENEFITS

- ✓ Fiber type Multimode 50/125µm
- ✓ Number of Cores 4 - 24
- ✓ Category OM2
- ✓ Armouring protection
- ✓ Rodent resistant Yes
- ✓ Outer sheath material Copolymer
- ✓ Reaction-to-fire class a- EN 13501-6 Eca
- ✓ Halogen free (acc. EN 60754-1/2)
- ✓ Flame retardant In accordance with EN 50399



### 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



### 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



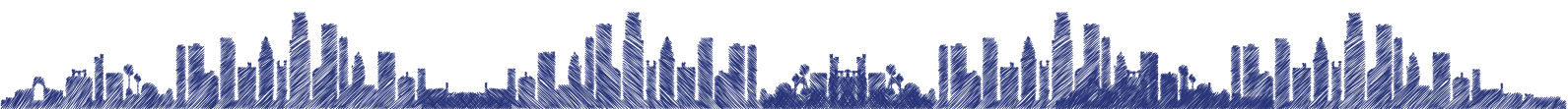
## OM2 Multimode 50/125µm Fiber Optic Armoured Loose Tube

### FIBER SPECIFICATIONS

FEATURES	UNIT	OM2
Attenuation	@850 nm	≤ 2.7 dB/km
	@1300 nm	≤ 0.8 dB/km
Bandwidth	@850 nm	≥ 500 MHz.km
	@1300 nm	≥ 550 MHz.km
Core Diameter		50 ± 2.5 µm
Core Cladding Concentricity Error		≤ 1 µm
Cladding Diameter		125 ± 1 µm
Cladding Noncircularity		≤ 1 %
Coating Diameter (Coloured)		250 ± 15 µm

### CABLE SPECIFICATIONS

FEATURES	UNIT	VALUES
Tensile Strength		2000 N
Crush Resistance		3000 N/m
Torsion		± 180 °
Temperature performance	Installation	-30°C to +70°C
	Operation	-30°C to +70°C
	Storage	-30°C to +70°C
Loose tubes	Number	1
	Material	PBT
Loose Tube ID/OD	4-16 Cores	2.0/2.8 ± 0.1 mm
	24 Cores	2.6/3.5 ± 0.1 mm
Peripheral Strength Member		Glass Yarn + WS Yarn



## OM2 Multimode 50/125µm Fiber Optic Armoured Loose Tube

### CABLE SPECIFICATIONS

FEATURES	UNIT	VALUES
Armoring	Thickness	0.150 mm
	Material	ECCS Tape
Outer Sheath	Thickness	1.8 mm (Nominal)
	Material	LSZH
Ripcord	Number	1
	Material	Polyester
Overall Cable Diameter	4-16 Cores	8.4 ± 0.5 mm
	24 Cores	9.2 ± 0.5 mm
Cable Weight	4-16 Cores	100.0 ± 10 kg/km
	24 Cores	115 ± 10 kg/km
Bending Radius	Short term	20 x Diameter
	Long term	10 x Diameter

### ORDER INFORMATION

PART NUMBER	DESCRIPTION
MK-LT4C102MM-AR	50/125µm (OM2), LT, MM, MDPE, 4 Core Armoured fiber Optic Cable
MK-LT6C102MM-AR	50/125µm (OM2), LT, MM, MDPE, 6 Core Armoured fiber Optic Cable
MK-LT12C102MM-AR	50/125µm (OM2), LT, MM, MDPE, 12 Core Armoured fiber Optic Cable
MK-LT16C102MM-AR	50/125µm (OM2), LT, MM, MDPE, 16 Core Armoured fiber Optic Cable
MK-LT24C102MM-AR	50/125µm (OM2), LT, MM, MDPE, 24 Core Armoured fiber Optic Cable

#### USA & CANADA

Tel +1-877-6774040  
 info@microlinknet.com  
 70 East Sunrise Highway Valley Stream,  
 NY 11581, New York

#### EUROPE

Tel +44-20-37695558  
 uk@microlinknet.com  
 4th Floor, 18 St. Cross Street,  
 London, EC1N 8UN

#### MIDDLE EAST

Tel +971 4 556 1557  
 mena@microlinknet.com  
 Boulevard Plaza Tower One, Level 3,  
 Downtown Dubai, United Arab Emirates

