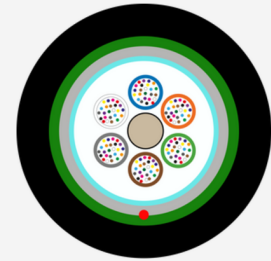


## Multimode OM4 Outdoor Multi Loose Tube Armoured, PE - FFEM4MLxG



### DESCRIPTION

FABNET Outdoor Polyethylene (PE) Loose tube Armoured Cables are perfectly suited for rugged applications and installations requiring increased performance. The offered cables are fully compliant with the relevant IEC specifications. The loose tube is surrounded by a swellable glass yarn strength member, a corrugated steel armour for physical protection and a UV resistant PE protective jacket.

### APPLICATIONS

- Operates at wavelengths of 850 nm and 1300 nm.
- ETHERNET: 10BASE - 10GBASE(100BASE, 1000BASE, 10GBASE).
- Corrugated Steel Armoured Outdoor Cable
- Rodent Proof & Water Blocking
- Cables are specifically designed for outdoor duct or direct buried applications

### SPECIFICATIONS & FEATURES

- Compliant with ANSI/TIA-568.3-D, ISO/IEC 11801
- Outer Jacket: PE, Black
- Gel-filled loose tube
- Compact 250µm loose tube construction
- Glass yarn strength member.

### MECHANICAL & PHYSICAL PROPERTIES

<b>Number of cores</b>	24 to 288 Cores	<b>Fiber Type</b>	OM4 Multimode (G.651)
<b>Impact Strength</b>	20 J, 3 impacts	<b>Tensile Strength (Working)</b>	1500 N
<b>Tensile Strength (Assembly)</b>	2700 N	<b>Crushing Strength</b>	2200 N / 10 cm
<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 +80 °C
<b>Jacket Color</b>	Black	<b>Storage Temperature</b>	-30 to +60 °C
<b>Outer Jacket</b>	PE	<b>Installation Temperature</b>	-40 to +80 °C
<b>Water Tightness</b>	24 hours 3 m length	<b>Bending Radius</b>	20 x cable diameter
<b>Tube Material</b>	PBT & PBT+PC	<b>Tube Filling Compound</b>	Thixotropic Jelly
<b>Strength Member</b>	Swellable Glass Yarn	<b>Armoure</b>	Corrugated Steel Tape
<b>Core Wrapping</b>	Polyester Tape	<b>Jelly Compound</b>	Petroleum Filler Jelly

## 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
Flame Test	IEC 60332-1-2
2011/65/EC (RoHS)	Compliant

## PACKING DETAILS

Length (Mtr)	Approx. OD(mm)	Packaging Type
1000	10.4±0.5 to 17.5±0.5	DRUM
2000	10.4±0.5 to 17.5±0.5	DRUM

## ORDERING INFORMATION

FFEM4MLxA	Multimode OM4 Outdoor Multi Loose Tube Armoured, PE Bulk Cable, Black
x-Fiber Core Variants (48/72/96/144/288)	