

# Multi Mode Multi Loose Tube, Single Sheath, Armoured Optical Fiber Cable

Multi Loose Tube Single Sheath Armored optical fiber cable suitable for duct and aerial applications. We supply Multi Loose Tube from 12 fiber cores to 48 fiber cores. Fiber cable is perfectly suited for both gigabit Ethernet and 10 gigabit Ethernet campus and backbone applications. The loose tube cable is gel filled and covered in aramid strength members.

## Features

- Excellent water proof layer and good moisture resistance
- Suitable for indoor/outdoor applications
- Excellent consistence performance
- Central code tube design
- Standard 02-24C

## Technical Specification

Parameter	Values			
Fiber Count	12/24/48F			
Core diameter	50.0 ± 2.0 um			
Cladding Diameter	125.0 ± 1.0 um			
Coating Diameter	245 ± 7			
		OM1/OM2	OM3	OM4
Attenuation	At 850 nm	≤ 3.5 dB/Km	≤ 3.2 dB/Km	≤ 2.3 dB/Km
	At 1300 nm	≤ 1.5 dB/Km	≤ 1.2 dB/Km	≤ 0.6 dB/Km
			OM3	OM4
Bandwidth	At 850 nm	200 MHz*Km	1500 MHz*Km	3500 MHz*Km
	At 1300 nm	500 MHz*Km	500 MHz*Km	500 MHz*Km
Tube Filling Compound	Thixotropic Jelly			
Loose Tube(S)	PBTP			
Loose Tube Dimension	2.5mm ± 0.05 mm			
Central Strength Member	FRP Rod			
Cable Filling Compound	Thixotropic Jelly			
Core Wrapping	Polyester Tape			

Parameter	Values
Armouring	ECCS-Corrugated, Chrome Plated Co-polymer Steel Tape
Outer Sheath (T= 1.6 mm nominal)	HDPE Black
Rip Cords	3 Ply, suitable to rip open Armor & sheath
Outer Jacket Dimension	11.1mm ± 0.4mm
Cable Bending Radius	20 x D, D = Cable Diameter
Tensile Force (Long Term)	1000 N
Tensile Force (Short Term)	2000 N
Torsion Resistance	10 Cycle (± 180°) 10 Kg Weight, L= 2 Mtr
Crush Resistance (Long Term)	1000 N /10cm
Crush Resistance (Short Term)	3000 N /10cm
Operation Temperature (°C)	-40° to +70°C
Storage Temperature (°C)	-40° to +70°C
Laying and Installation Temperature (°C)	-20° to +60°C
Nominal Cable Weight (Kg/Km)	120 ± 10
Nominal Cable Diameter (mm)	10.50 ± 0.5
Standard Length per Drum (Mtr)	2000 ± 10%

### Ordering Information

Part Code	Description
3C-MMYYY-MLT-ZZ	Multi Mode Multi Loose Tube, Single Sheath, Armored Optical Fiber Cable

YYY-( OM1, OM2, OM3, OM4-50/125micron Multi-mode)

ZZ-(12-12 core, 24-24 core, 48-48 core)

