

Single 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 6 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	6/12/24/48F	
Cadding Diameter	125.0 ± 1.0 um	
Attenuation	At 1310 nm	≤ 0.36 dB/Km
	At 1550 nm	≤ 0.23 dB/Km
Tube Filling Compound	Thixotropic Jelly	
Loose Tube(S)	PBTP	
Central Strength Member	FRP Rod	
Cable Filling Compound	Thixotropic Jelly	
Core Wrapping	Polyester Tape	
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	
Cable Bending Radius	20 x D, D = Cable Diameter	
Repeated Bending	30 Cycle, r= 20 x D, 5 Kg Load, D = Cable Diameter	

Parameter	Values
Tensile Force	2000 N
Torsion Resistance	10 Cycle ($\pm 180^\circ$) 10 Kg Weight, L= 2 Mtr
Crush Resistance	2000 N (100 x 100 mm) for 60 sec
Kink Resistance	10 x D, D = Cable Diameter
Water Penetration	1 Mtr water head, 3 meter cable sample, 24 hours
Operation Temperature ($^\circ\text{C}$)	-40 $^\circ$ to +70 $^\circ\text{C}$
Storage Temperature ($^\circ\text{C}$)	-40 $^\circ$ to +70 $^\circ\text{C}$
Laying and Installation Temperature ($^\circ\text{C}$)	-20 $^\circ$ to +60 $^\circ\text{C}$
Nominal Cable Weight (Kg/Km)	120 \pm 10
Nominal Cable Diameter (mm)	10.50 \pm 0.5
Standard Length per Drum (Mtr)	2000 \pm 10%

Ordering Information

Part Code	Description
3C-SMOS2-MLT-ZZ	Single Mode Multi Loose Tube, Single Sheath, Armored Optical Fiber Cable

ZZ-(02-2 core, 06-6 core, 12-12 core, 24-24 core)

