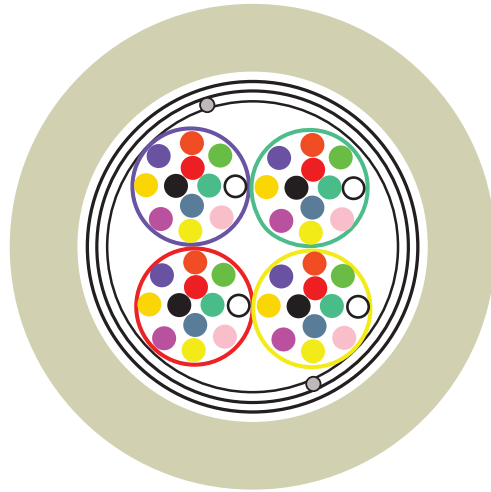


SINGLE MODE G657A2 GEL FREE MICRO MODULE INDOOR CABLE



DESCRIPTION

Datacom indoor micro module (multitube) features a non-metallic construction that eliminates the need to ground or bond. This cable is available with single mode fibre OS2 rated Reduced water peak (RWP) meets OS2 (ITU-T G.657.A2) and fibre counts from 24 to 144 fibres as a multi tube design. Indoor Multitube distribution optical fibre Cables are constructed using 12-fiber subunits. This family of fibre optic distribution cables shall be suitable for indoor applications, complying with IEC standards for low smoke zero halogen (LSZH)

APPLICATION

- Specifically designed for indoor applications.
- Used as a Backbone distribution Cables between the floor Telecom room and Main Telecom Room.
- LAN & WAN Networking.
- Campus backbone applications.
- Telecommunications
- Network wiring closets
- Audio / Video System
- Security System

FEATURES

- LSZH outer Sheath.
- Reduce installation time and cost.
- Easy Jacket removal using standard tools.
- High Modulus, Aramid yarn as a peripheral strength member.
- LSZH sheath makes the cable suitable for higher fire safety requirements
- Requires no grounding or bonding due to all-dielectric construction
- Flexible and Fire-retardant outer sheath with aramid yarns as tensile elements help in easy installation in space-constrained areas

STANDARDS COMPLIANCE

- Single Mode: ITU-T-G.657A2
- IEC 60794-1-21

SINGLE MODE G657A2 GEL FREE MICRO MODULE INDOOR CABLE

MECHANICAL CHARACTERISTICS	
Outer Jacket	LSZH , Ivory White
Fiber Count	24,48,72,96,144
Micro Buffer Material	Thermo Plastic (ϕ 1.3 \pm 0.05)
Strength Members	Aramid Yarn
Rip Cord (s)	2 no.s Polyester Rip cord 3Ply Under sheath
Fiber Type	Single Mode
Standard Length (meters)	2000 \pm 5%
CABLE TRANSMISSION CHARACTERISTICS	
Attenuation at 1310 nm	\leq 0.36 dB/Km
Attenuation at 1550 nm	\leq 0.23 dB/Km
Attenuation at 1625 nm	\leq 0.26 dB/Km

MICRO BUFFER COLOR CODES	
24 F	BLUE,ORANGE
48 F	BLUE,ORANGE,GREEN,BROWN
72 F	BLUE,ORANGE,GREEN,BROWN,SLATE,WHITE
96 F	BLUE,ORANGE,GREEN,BROWN,SLATE,WHITE,RED,BLACK
144 F	BLUE,ORANGE,GREEN,BROWN,SLATE,WHITE,RED,BLACK,YELLOW,VIOLET,ROSE,AQUA

ENVIRONMENTAL CHARACTERISTICS			
Characteristics	Test Criteria	Testing Value	Acceptance Criteria
Tensile Strength	IEC 60794-1-2-E1	For 24F To 96F :500N For 144F : 1000N	Change in att. \leq 0.1db at 1550nm, No damage or crack on cable sheath & no fire break
Crush(Compression)	IEC 60794-1-2-E3		
Torsion	IEC 60794-1-2-E7	\pm 180 $^{\circ}$,40N,10Cycles	
Impact	IEC 60794-1-2-E4	E=3Nm	
Min.Bending Radius	IEC 60794-1-2-E11A	Short Term:15*Dia,of cable Long Term:20*Dia,of cable	
Temperature Cycling	IEC 60794-1-2-F1	Laying&Installation : -5 $^{\circ}$ C to +45 $^{\circ}$ C Operation : -30 $^{\circ}$ C to +60 $^{\circ}$ C Transport &Storage : -40 $^{\circ}$ C to +70 $^{\circ}$ C	
Fire Resistant	IEC 60332-1-2		

ORDERING INFORMATION

Description

Datacom Single Mode Micro Module 09/125 G.657A2 Gel Free Indoor Cable-LSZH White

Part No.

DC-FO-'xx-MM 09- INZH-7A

** xx= Number of cores, (value ranges 24 , 48 , 72 , 96 , 144)