

FTTx Cable SM G657



Description:

Fibernet FTTx Patch cords are fiber optics patch cords specially design for FTTH and FTTD environments. The patch cords made with a special Ultra Soft Armored Fiber Optic Cable with Helical armored and TPU jacket to obtain a robust and harsh environment fiber optic patch cord.

Features:

- > Mini armored layer used to decrease the outer diameter and cable weight, also convenient for laying and splice
- > Cable using high property aramid yarn, increasing tension property, and fit for long distance use
- > Cable using spiral metal armored layer with best crush property, and cable is very flexible and easy bend
- > TPU jacket material fit for any harsh environments.
- > Produced and tested according to GR-326-CORE & TIA-568-C.3 Standards
- > Connectors Materials Flammability Rating: UL94-V0
- > Connectors comply with JIC-type and EIA/TIA 604 standards
- > Precise Zirconia ferrules
- > Low insertion loss
- > RoHS compliant

Applications:

- > Used in FTTx, from residence to data center and cabling level and vertical, also used in FTTH cable
- > Used in communications in data center, during ODF with armored patch cord and pigtail
- > Used in the open field, connections between optical equipment

Specifications and Dimensions:

Item	Unit	Value
Core diameter	μm	8.8±0.4
Cladding diameter	μm	125±0.7
Cladding non-circularity	%	≤0.7
Core-cladding concentricity error	μm	≤0.5
Coating diameter	μm	245±5
Coating-cladding concentricity error	μm	≤12.0
Zero dispersion wavelength	nm	1300-1324
Zero dispersion slop	ps/(nm ² .km)	≤0.090
Attenuation	dB/km	0.4dB/km@1310nm 0.3dB/km@1550nm
Temperature	°C	-40°C~+85°C
OD	mm	2.85±0.15mm
Tensile	N	Long-term 400 short-term 600
Crush	N/10cm	Long-term3000 short-term5000
Color	White (other colors are available per request)	

Parameter	Item	Multi-mode Zirconia Ferrule	Single-mode Zirconia Ferrule
Insertion Loss		Typical < 0.1 dB Max. < 0.3 dB Standard Max. < 0.15 dB Low-Loss	Typical < 0.1 dB Max. < 0.3 dB Standard Max. < 0.15 dB Low-Loss
Return Loss		>-20 dB Minimum (UPC)	>-35 dB Min. (PC) >-55 dB Min. (UPC) >-65 dB Min. (APC)
Connector Repeatability (Loss Increase)		< 0.1 dB	< 0.1 dB
Temperature Cycling (Loss Variation)		Insertion Loss < 0.1 dB Return Loss < 5 dB	Insertion Loss < 0.1 dB Return Loss < 5 dB
Vibration (Loss Variation)		Insertion Loss < 0.1 dB Return Loss < 5 dB	Insertion Loss < 0.1 dB Return Loss < 5 dB
Cable Retention		< 60 N (13 lb) * Depends on cable type	< 60 N (13 lb) * Depends on cable type
Cable Retention (Loss Variation)		Insertion Loss < 0.1 dB Return Loss < 5 dB	Insertion Loss < 0.1 dB Return Loss < 5 dB

Ordering Information:

FTTH-_____

Connector Type Side 1A Side 1B	
0	No Connector
1	ST
2	FC
4	SC
9	LC

Connector Type Side 2A Side 2B	
0	No Connector
1	ST
2	FC
4	SC
9	LC

Polish Type Side A Side B	
U	UPC
A	APC
N	Normal

Cable Length [m]	
XXXX	XXX.X m

Example: **FTTH-4090UU0010** - - SC/LC UPC 1 Meter

***Available with Short boot , Flexible boot or Angled Boot**