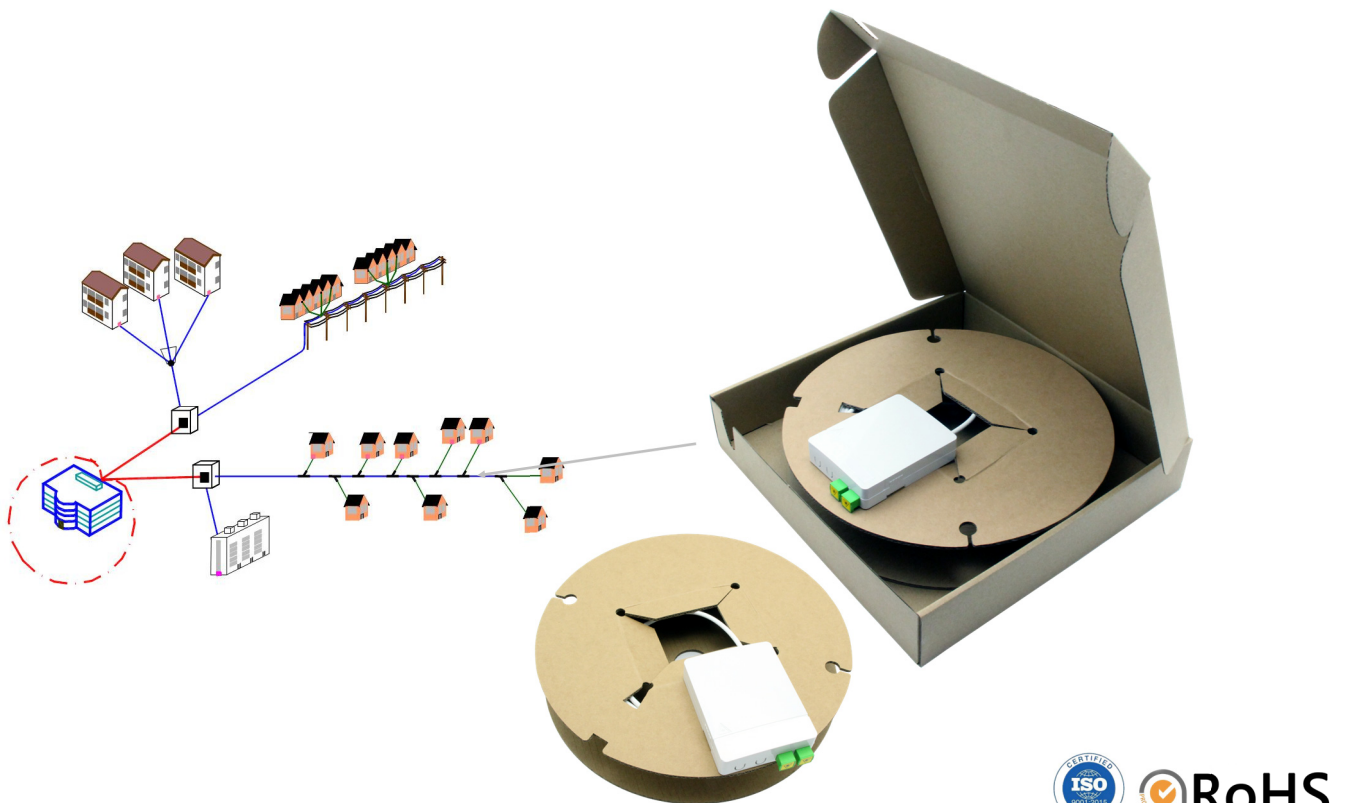


DATASHEET

6F/12F pre-terminated Drop cable Hub

-Idea for FTTX cable project



OMC INDUSTRY CO.LIMITED

2022|En version2.0



6F/12F pre-terminated Drop cable Hub

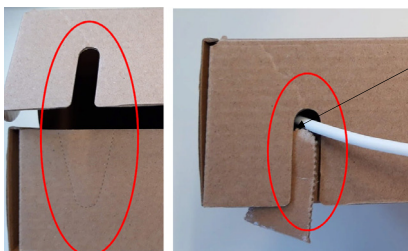
Products Introduction



6F/12F pre-terminated Drop cable Hub included A Fiber faceplate ,A FTTH drop pigtail/Patch cord, A paper drum suit. It assembled with FTTH Drop indoor cable (flat or round) / FTTH Aerial Self-support Drop cable for installation in flush-mounted box and cable entry to the BEP (Building entry point) cable side BEP smooth cut for splicing. Packed in single carton. The installer just need **Only one fiber splicing or one connector insertion to BEP(building entry point) cable, So it is the fastest and the most labor cost-efficient solution in FTTH projects.** The user can get high speed optical network easily.

Products details– Paper Drum +package Carton

Pre-cut in the cardboard box to extract the cable through the opening

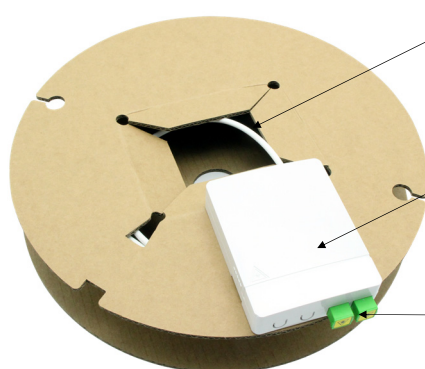


Dimension: 24.5x24.5x6cm



Dimension: 31x6cm

1-2F cable



1-12F Fiber Face plate

1, Standard Fiber adapter

2, Adapter with auto shutter cap



6F/12F pre-terminated Drop cable Hub

Description

The 6-12 F micro-fiber cable pigtail is a pre-terminated with a OD of 3.5mm Unit micro-fiber cable. The fanout cable OD is 0.9mm. A fanout kits will be installed at the junction of main cable and fanout cable. This new design cable is with small OD but comes with 12F, Save your Optical Cabling space, Lower down cabling difficult, save time and cost. It's A good solution for HD Data center cabling assemblies.

Products details.



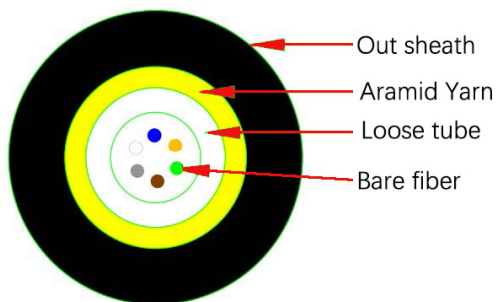
High quality SM Ceramic ferrule, Good concentricity<0.5um



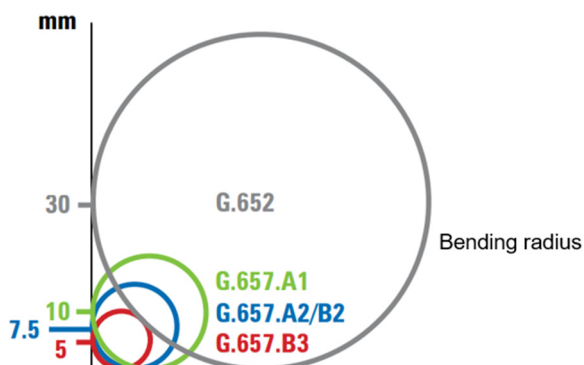
High Quality LC PC Connector meet and Compatible with many International Standard

LC: TIA/EIA, FOCIS10, GR-326 EIA/TIA-604-10, IEC61754-20 and JIS C5973.

Cable Parameters-12F Microfiber cable



Number of fiber	2-12F	
Fiber type	SM G657A2	
Fiber Color	Blue,Orange,Green,Brown,Grey,White,Red,Black,Yelllow,Purple,Pink,Aqua	
strength member	material	Aramid yarn
Loose tube	material	PBT
	color	White
	diameter	$\Phi 1.8 \pm 0.1 \text{mm}$
Outer sheath	material	LSZH
	color	Black
	diameter	$3.5 \pm 0.1 \text{mm}$



ITU recommendation G.657 specifies two classes of single-mode bend insensitive fiber patch cables: G.657 A and G.657 B. Each category (A and B) is then divided into two sub-categories: G.657.A1, G.657.A2 and G.657.B1, G.657.B2. The minimum bend radius of G.657.A1 fibers is 10 mm, of the G.657.A2 and G.657.B1 fibers is 7.5 mm and of the G.657.B2 fibers is 5 mm. Among, ITU-T G.657.A1 and ITU-T G.657.A2 fibers are fully compliant with ITU-T G.652.D fibers.



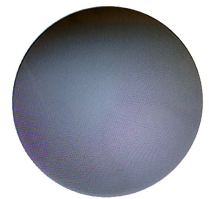
6F/12F pre-terminated Drop cable Hub

Optical Specifications-Standard quality

Insertion loss	$\leq 0.12\text{dB}$	Interchangeability	$\leq 0.1\text{dB}$
Return loss	SM UPC $\geq 50\text{dB}$ SM APC $\geq 60\text{dB}$ MM PC $\geq 35\text{dB}$	Vibration	$\leq 0.1\text{dB}$
Polarity	A(Tx) to B(Rx)	Maximum pulling force	120N

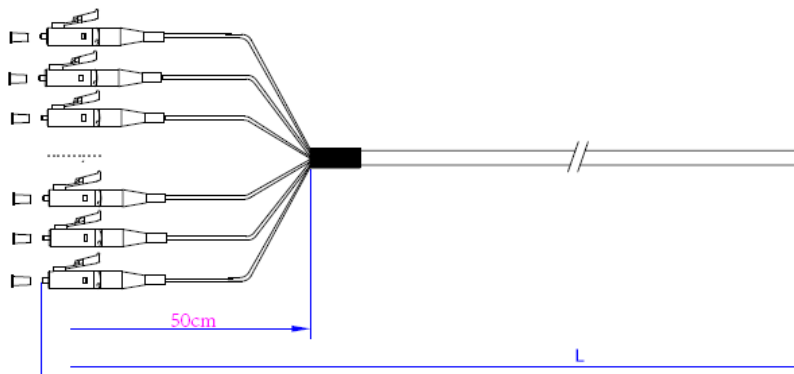
End-face Quality (SM)

Zone	Range (μm)	Scratches	Defects	Reference
A: Core	0 to 25	None	None	IEC 61300-3-35:2015
B: Cladding	25 to 115	None	None	
C: Adhesive	115 to 135	None	None	
D: Contact	135 to 250	None	None	
E: Rest of ferrule		None	None	



SM APC

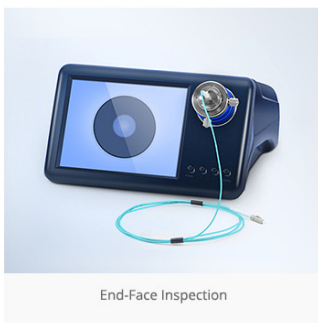
Length Tolerance



Overall Length(L)(m)	length of tolerance(cm)
$0 < L < 1$	$+5/-0$
$1 < L < 10$	$+10/-0$
$10 < L < 40$	$+15/-0$
$40 < L$	$+0.5\% \times L/-0$

High Quality Fiber Optic Cable Guarantee

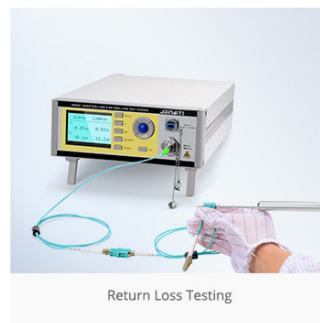
Comprehensive performance testing makes sure the cable work more secure and data transmission more reliable and stable in your network.



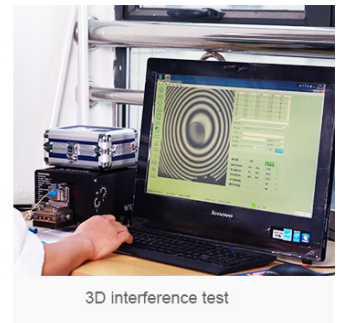
End-Face Inspection



Insertion Loss Testing



Return Loss Testing



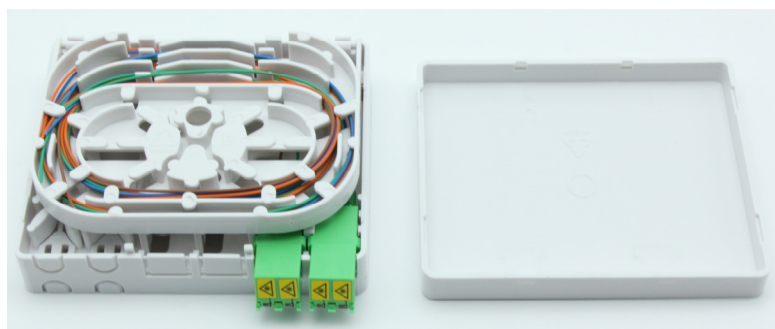
3D interference test



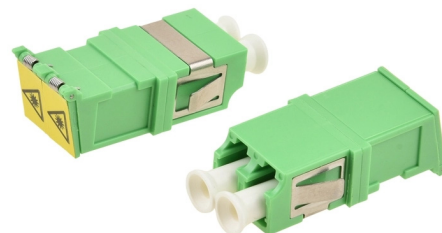
6F/12F pre-terminated Drop cable Hub

Fiber socket: FS-4A

6F=3x LC APC DX adapter



- Water-proof design with IP-45 Protection level.
- Integrated with cable termination and management rods
- Manage fibers in a reasonable fiber radius(30mm) condition. High quality industrial anti-aging ABS plastic material.
- Suitable for the wall mounted installation. Suitable for FTTH indoor application.
- 4/8 port cable entrance for drop cable or patch cable.
- Fiber adapter can be installed in the rosette for patching.
- UL94-V0 fire-retardant material can be customized as option.



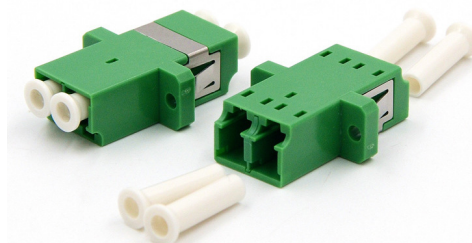
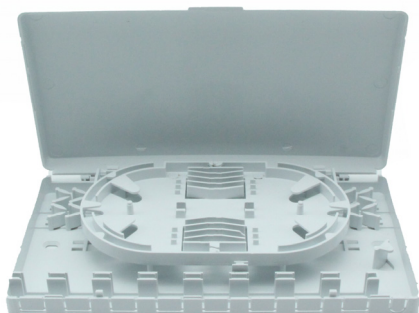
LC Duplex without Flange with Shutter

Part NO	Material	Size	Max Capacity		Mounting Way	Package	Color
FS-4A	Industrial ABS	L*W*H(mm) 100*80*30	SC Simplex 4 Cores	LC Duplex 8 Cores	Wall Mounting or in-side FTTH media box application	PE bag+Kraft box or OEM	White

Fiber socket: FS-8A

12F=6x LCAPC DX adapter

- Water-proof design with IP-45 Protection level.
- Integrated with cable termination and management rods
- Manage fibers in a reasonable fiber radius(30mm) condition. High quality industrial anti-aging ABS plastic material.
- Suitable for the wall mounted installation. Suitable for FTTH indoor application.
- 8/16 ports cable entrance for drop cable or patch cable.
- Fiber adapter can be installed in the rosette for patching.
- UL94-V0 fire-retardant material can be customized as option.



LC Duplex with Flange



Part NO	Material	Size	Max Capacity		Mounting Way	Package	Color
FS-8A	Industrial ABS	L*W*H(mm) 207*115*28	SC Simplex 8 Cores	LC Duplex 16 Cores	Wall Mounting or in-side FTTH media box application	PE bag+Kraft box or OEM	White



6F/12F pre-terminated Drop cable Hub

Packaging

This easily taken and well-protected fiber optical cable package has been labelled and marked by OMC as default .Standard carton size : 34*22*15 cm; 44*34*24 cm ; 54*39*34 cm . Which carton to be used depends on goods Qty . Packing can be customized.



1, Pizza Box



2, Paper Carton



3, fumig-free Pallet

OME service

- 1. Cable color, printing word, material of cable jacket, connector's color
- 2. OEM Label, Identify ring, cable's label, box, shipping marks
- 3. Different quality Level. Different fanout cable OD, color, length and connectors