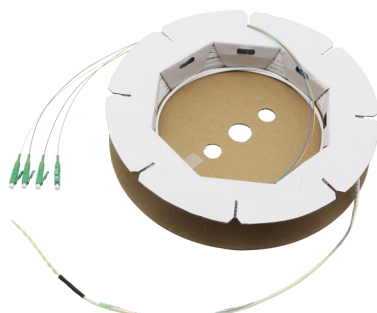
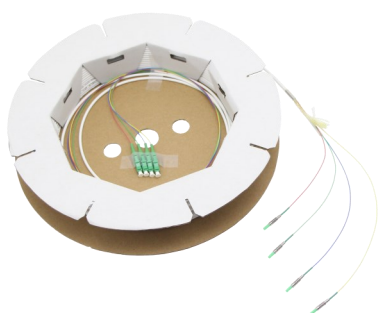


Description

1-4C FTTR cable assemblies is patch cord or pigtail which assembled New kind of small OD Micro-beam cable or Air blow cable, conventional LC connector or **Air blow LC connector**.



Optical Specifications

Connector	Air blow LC connector V1.0	Polish	APC
Fiber Mode	9/125μm, G657A2&G657B3	Jacket Color	Black/White/Grey/Ivory
Main Cable OD	2.0mm-2.4mm	Wavelength	SM:1310/1550nm
Cable Structure	1F/2F/4F	Jacket Material	LSZH
Insertion loss	≤0.3dB(IEC Grade C) ≤0.12dB(IEC Grade B)	Interchangeability &Vibration	≤0.2dB
Return loss	SM APC ≥ 60dB(min)	Operation&Storage temperature	-40~85°C

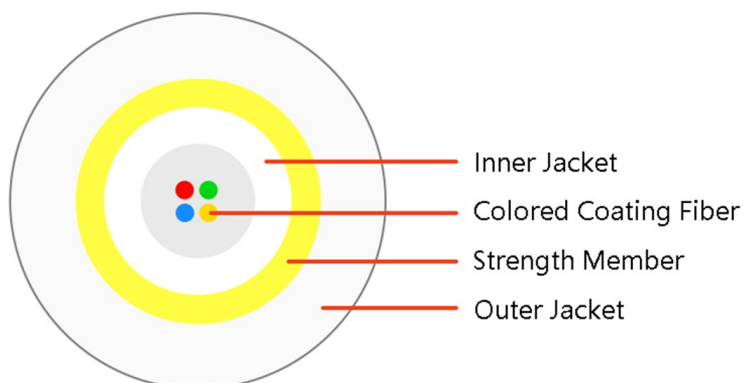
3D Geometric Specification(The 3D pass rate of the connector end face is 80%)

Items		Parameter	
Polishing		PC	APC
ROC	SC/FC/ST	10 ~ 25	5 ~ 12
	LC/MU	7~ 25	5 ~ 12
Apex Offset		≤ 50	
Fiber Spherical Height		±100	
Angle		± 0.5	8 ± 0.5

Ferrule Endface

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	

Cable Details



4F Microbeam module Cable-2.2mm

For example.

Other cables are available

Standard color of 250um bare fiber

The color code of the individual 250um bare fiber shall be in accordance with the table as below

1	2	3	4
Red	Green	Blue	Yellow

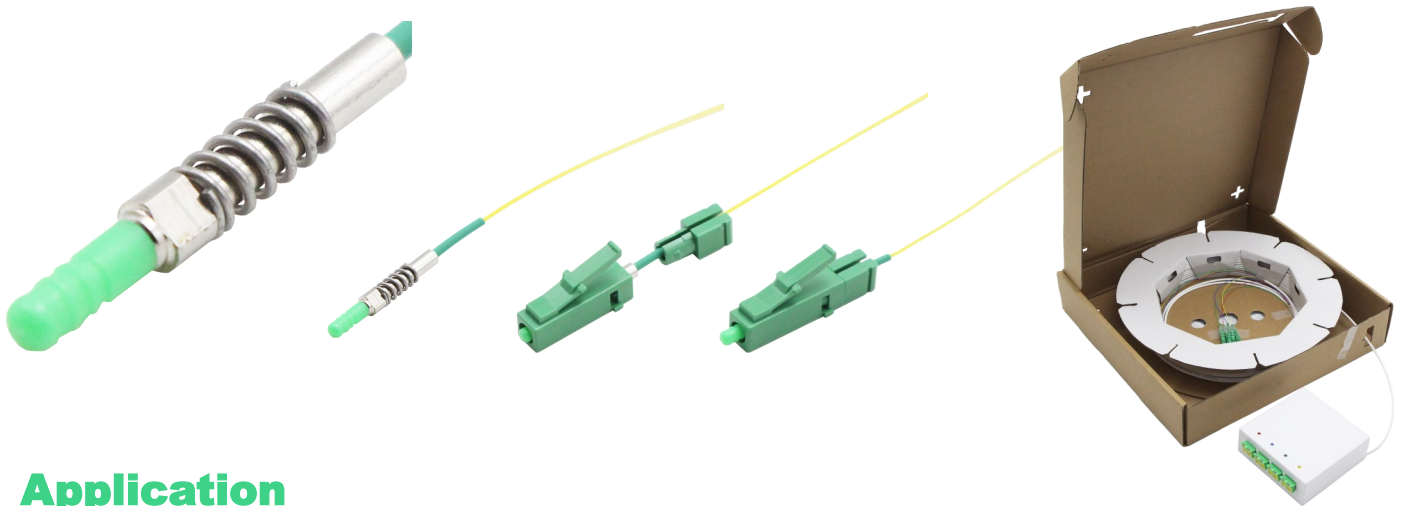
Products detail:

Items		Data	
Number of fiber		1-2F	4F
Fiber type		SM G657A1,G657A2,G657B3	
Microbeam module	Diameter(mm)	1.1±0.1	1.1±0.1
	Color	White	
	Material	LSZH (CPR Level :Eca,Dca,Cca B2ca)	
Outer sheath	Material	LSZH (CPR Level :Eca,Dca,Cca B2ca)	
	Color	White	
	Diameter(mm)	2.2±0.1	
Strength member	Material	Aramid yarn	

Mechanical & Environmental Performance

Item	Contents	Value
Max. tensile load	Short term	400N
	Long term	100N
Max. crush resistance	Short term	500N/100mm
	Long term	100N/100mm
Min. bending radius	Installation	20 x cable diameter
	Operation	10 x cable diameter
Temperature range	Operation	-20°C ~ +70°C
	Installation	-20°C ~ +60°C
	Storage/transportation	-20°C ~ +70°C

How to Assemble the Air blow LC connector V1.0

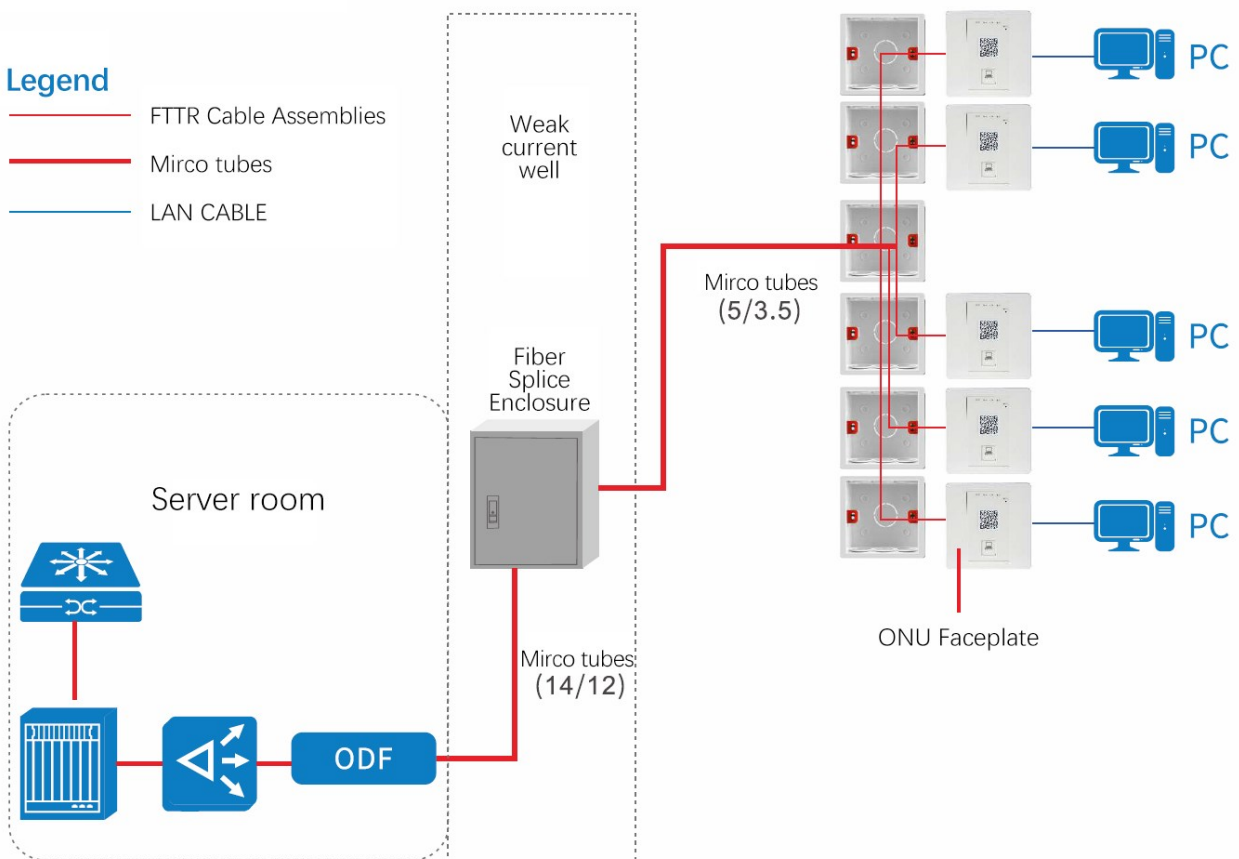


Application

Network Deployment

Legend

- FTTR Cable Assemblies
- Mirco tubes
- LAN CABLE



With OMC's 1-4C FTTR pigtail & Patch cord, The installer is easy to deploy the fiber cable in PVC or micro tubes in buildings with a small Cable Blowing Machine. It will be a totally Passive optical LAN system.

Relate products



1-2Ports Faceplate



1-2 ports Faceplate



2 Ports Faceplate



4 ports Faceplate



1G ONU Faceplate



1G/802.1x ONU Faceplate



2G ONU Faceplate



1G+1Port ONU Faceplate



Micro tube HDPE/LSZH
5/3.5mm,14/12mm,



Micro tube HDPE/LSZH
7x5/3.5mm



Micro duct connector



Air blow cable



Miro beam cable



Cable Blowing Machine
for Micro cable OD:0.8-4.0mm
Micro tube ID :3.0-12.0mm



Cable Blowing Machine
for Micro cable OD:1.0-3.0mm
Micro tube ID :4.0-7.0mm



Cable Blowing Machine
for Micro cable OD:0.8-4.5mm
Micro tube ID :3.0-12.7mm



Cable Blowing Machine
for Micro cable OD:0.5-8.0mm
Micro tube ID :5.0-16.0mm