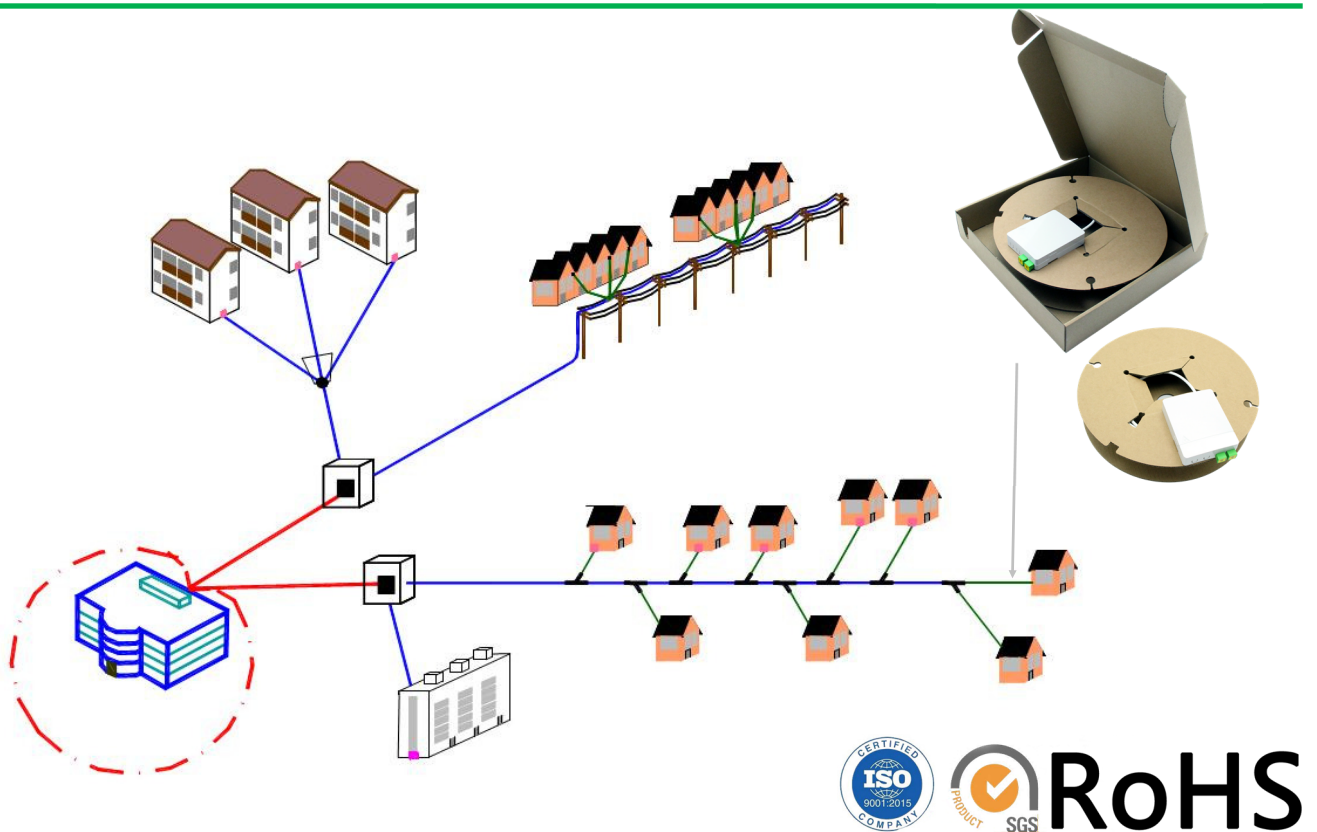DATASHEET

1-8F FTTH Access Point（AP）outlet kits

A product for last 100m's solution of FTTH Network

OMC INDUSTRY CO.LIMTED

Omc FTTH **FTTH Access Point(AP) outlet kits**

Products Introduction

FTTH AP outlet kits 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.
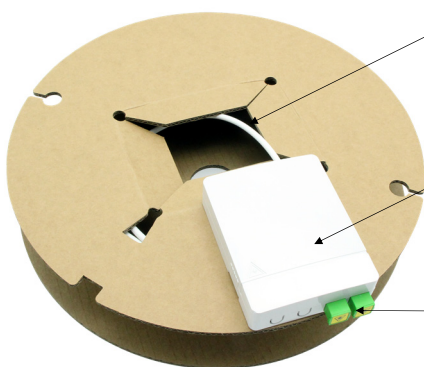
Products details– Paper Drum +package Carton

Pre-cut in the cardboard box to extract the cable through the opening
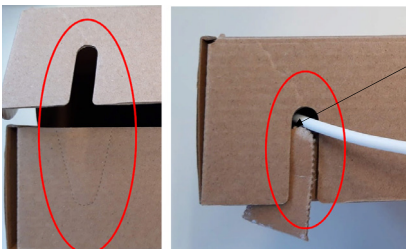
Dimension: 31x6cm

Dimension: 24.5x24.5x6cm
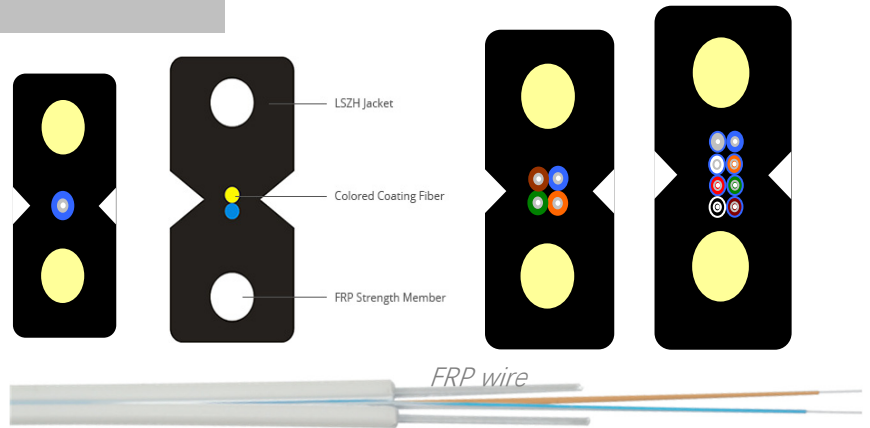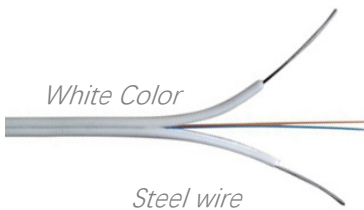
1-8F cable

1-8F Fiber Face plate

Adapter with auto shutter cap

Products details– Cable

1,Butterfly Flat FTTH Drop indoor cable
Available for
- G657A1,G657A2/B2,G657B3,
- 1-8 Fibers
- Black or White LSZH ，Anti-UV

White Color

Steel wire

LSZH Jacket

Colored Coating Fiber

FRP Strength Member

FRP wire

Technical Data:

Fiber Count	1F	2F/4F	6-8F
Strength member	FRP/KFRP/ Solid Steel wire		
	0.45-0.52mm	0.45-0.52mm	0.45-0.52mm
Cable diameter(mm) Approx.	2.0(±0.1)*3.0(±0.2)	2.0(±0.1)*3.0(±0.2)	2.0(±0.1)*4.0(±0.2)
Tensile Strength Short/ Long Term (N)	200/100 for steel wire strength member 80/40 for KFRP wire strength member		
Crush resistance short/long term (N/100mm)	1000/500		
Operating temperature range(°C)	-40°C ~+70°C		

2,Aerial Self-support FTTH Drop cable
Available for
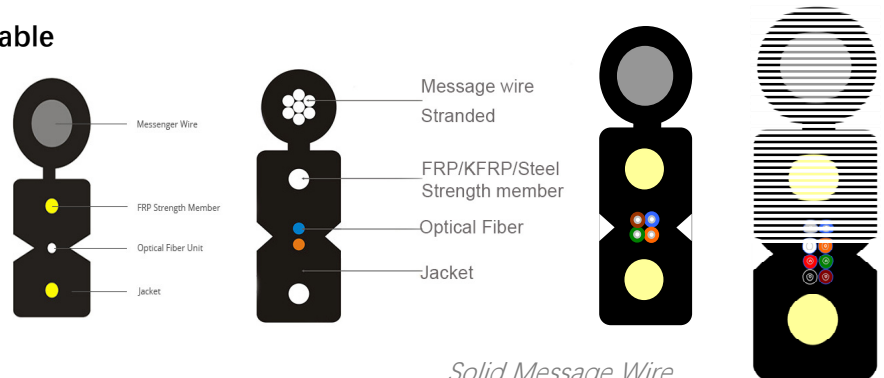- G657A1,G657A2/B2,G657B3,
- 1-8 Fibers
- Black or Grey LSZH ，Anti-UV

Stranded Message Wire

*FRP Strength member*

Messenger Wire

FRP Strength Member

Optical Fiber Unit

Jacket

Message wire Stranded

FRP/KFRP/Steel Strength member

Optical Fiber

Jacket

Solid Message Wire

Solid steel Strength member

Solid Message Wire

KFRP Strength member

Technical Data:

Fiber Count	1F	2F	4F	6F	8F
Self-supporting Strength member	Solid Steel wire/ Stranded Steel wire				
	1.0mm				1.2mm
Strength member	FRP/KFRP/Solid Steel wire				
	0.45-0.52mm				0.45-0.52mm
Cable diameter(mm) Approx. (±0.1)	2.0*5.0	2.0*5.0	2.0*5.2	2.3*6.0	2.8*6.3
Cable weight(kg/km) Approx	18.5/20	19/20.5	20/21.5	21/22.5	34/35
Tensile Strength Short/ Long Term(N)	600/300	600/300	650/350	800/400	800/400
Crush resistance short/long term (N/100mm)	2000/1000	2000/1000	2000/1000	2200/1000	2200/1000
Operating temperature range(°C)	-40°C ~+70°C				

Products details– Cable

3, Multi core Round indoor/Outdoor cable
Available for
- **G657A1,G657A2/B2,G657B3,**
- **1-4 Fibers**
- **Black or White**

Aramid yarn
Tight-buffered Fiber
Sheath

LSZH SHEATH
KEVLAR
900um tight buffer cable
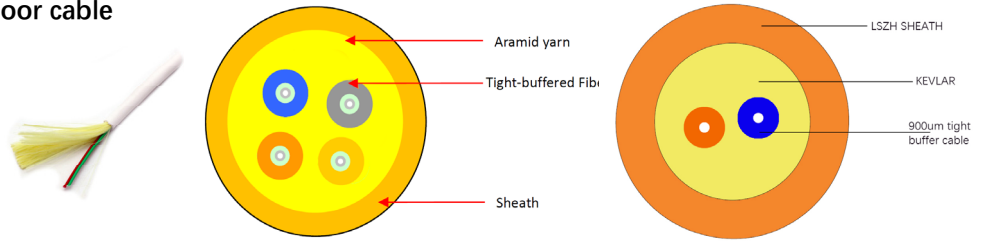
Technical Data:

Fiber Count	1F	2F	4F
Cable diameter (mm)	2.0mm,3.0mm,4.0mm	3.0mm,4.0mm	4.0mm/4.8mm
Unit cable	Colored 600um-900um of Loose buffer or Tight buffer		
Cable Jacket	LSZH, TPU,PE		

4, Central Loose tube round cable
Available for
- **G657A1,G657A2/B2,G657B3,**
- **1-8 Fibers**
- **Black or White**

Out sheath
Kevlar Yarn
PBT Loose Tube
Jelly
Colored fiber
Ripcord
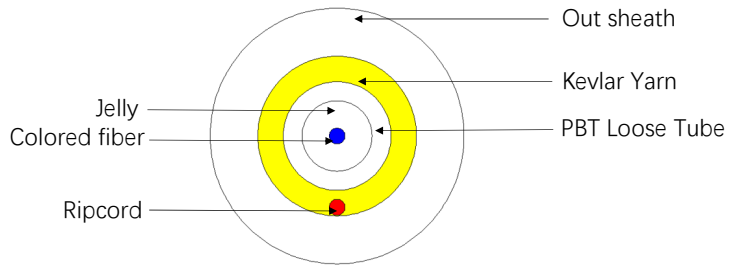
Technical Data:

Fiber Count	1-8F
Cable diameter(mm) Approx.	4.0mm
Loose Tube	PBT 1.7mm OD
Unit cable	Colored 250um bare fiber
Cable Jacket	LSZH, TPU,PE

Products details– Fiber Face plate

Fiber socket：FS-1A

- 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.
- 2/4 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.
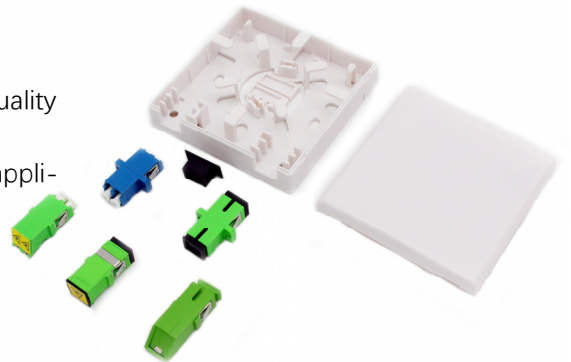
Part NO	Material	Size	Max Capacity		Mounting Way	Package	Color
FS-1A	Industrial ABS	L*W*H(mm) 86*86*25	SC Simplex 2 Cores	LC Duplex 4 Cores	Wall Mounting or inside FTTH media box application	PE bag or OEM	White

Products details– Fiber Face plate

Fiber socket：FS-1E

- 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.
- 1/2 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.

Transparent dust cover

Part NO	Material	Size	Max Capacity		Mounting Way	Package	Color
FS-1E	Industrial ABS	L*W*H(mm) 115*86*23	SC Simplex 1 Core	LC Duplex 2 Cores	Wall Mounting or inside FTTH media box application	PE bag or OEM	White

Fiber socket：FS-2A

- 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.
- 2/4 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.
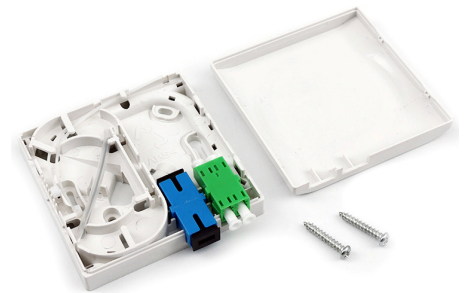
Part NO	Material	Size	Max Capacity		Mounting Way	Package	Color
FS-2A	Industrial ABS	L*W*H(mm) 80*80*20	SC Simplex 2 Cores	LC Duplex 4 Cores	Wall Mounting or inside FTTH media box application	PE bag or OEM	White

Fiber socket：FS-2C

- 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.
- 2/4 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.

Transparent dust cover

Part NO	Material	Size	Max Capacity		Mounting Way	Package	Color
FS-2C	Industrial ABS	L*W*H(mm) 115*82*22	SC Duplex 2 Cores	LC Quad 4 Cores	Wall Mounting or inside FTTH media box application	PE bag or OEM	White

FTTH Access Point(AP) outlet kits

Fiber socket：FS-2D

- 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.
- 2/4 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.
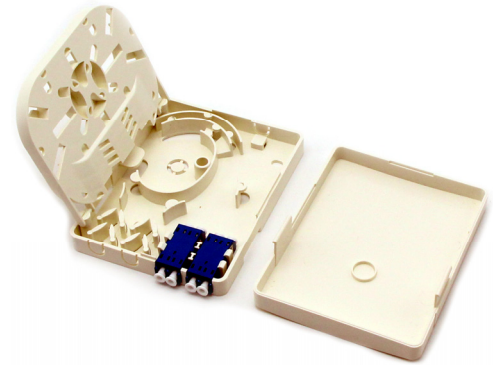
Part NO	Material	Size	Max Capacity		Mounting Way	Package	Color
FS-2D	Industrial ABS	L*W*H(mm) 105*83*24	SC Simplex 2 Cores	LC Duplex 4 Cores	Wall Mounting or inside FTTH media box application	PE bag+Kraft box or OEM	White

Fiber socket：FS-2F

- 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.
- 2/4 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.
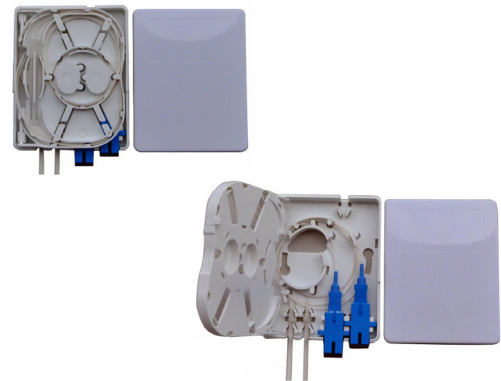
| Part NO	Material	Size	Max Capacity		Mounting Way	Package	Color
FS-2F	Industrial ABS	L*W*H(mm) 100*80*25	SC Simplex 2 Cores	LC Duplex 4 Cores	Wall Mounting or inside FTTH media box application	PE bag+Kraft box or OEM	White

Fiber socket：FS-4A

- 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.

| Part NO	Material	Size	Max Capacity		Mounting Way	Package	Color
FS-4A	Industrial ABS	L*W*H(mm) 100*80*32	SC Simplex 4 Cores	LC Duplex 8 Cores	Wall Mounting or inside FTTH media box application	PE bag+Kraft box or OEM	White

FTTH Access Point(AP) outlet kits

Products details– Fiber Face plate

Fiber socket：FS-4C

- 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.

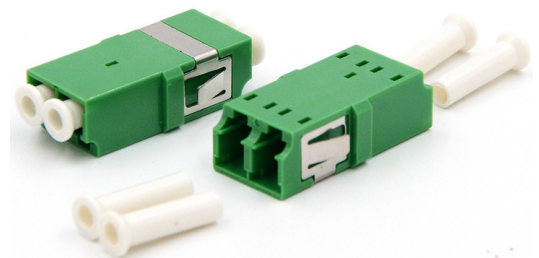| Part NO	Material	Size	Max Capacity		Mounting Way	Package	Color
FS-4C	Industrial ABS	L*W*H(mm) 100*80*32	SC Simplex 4 Cores	LC Duplex 8 Cores	Wall Mounting or inside FTTH media box application	PE bag+Kraft box or OEM	White

Products details– Fiber Adapter
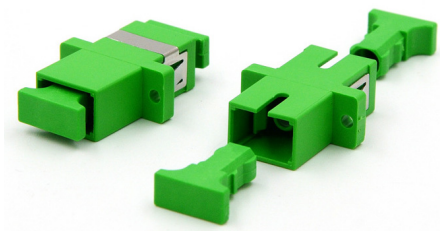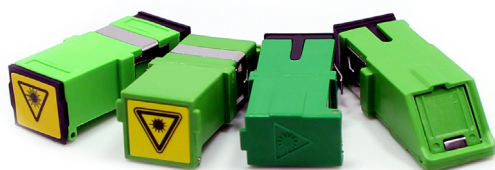
SC Simplex with Flange
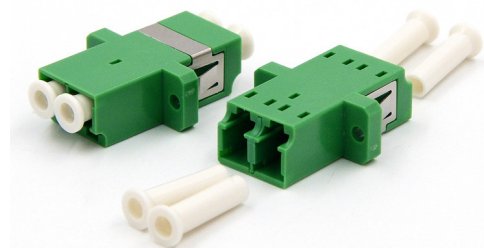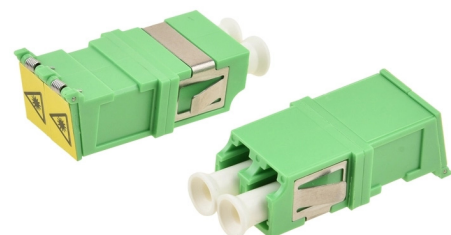
LC Duplex with Flange
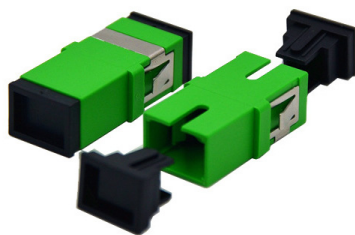
SC Simplex without Flange

LC Duplex without Flange
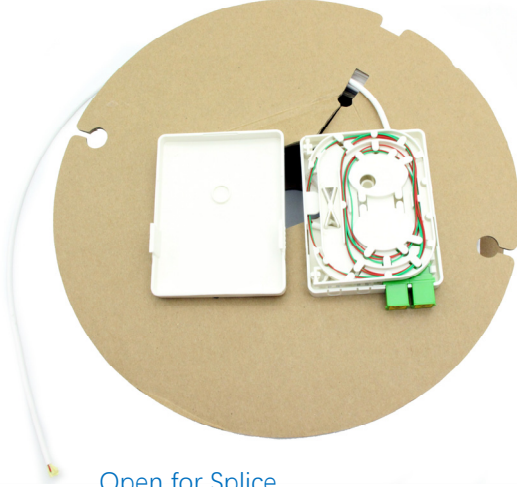
SC Simplex without Flange with Shutter
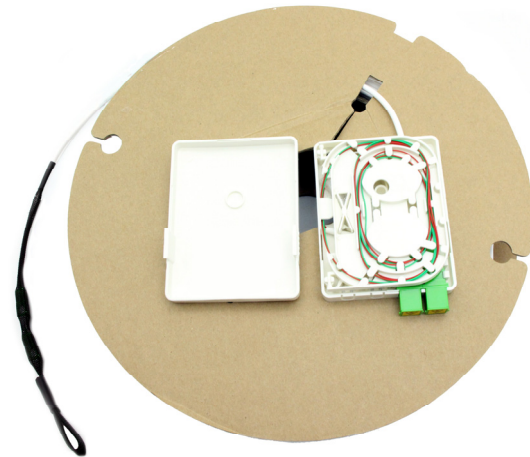
LC Duplex without Flange with Shutter

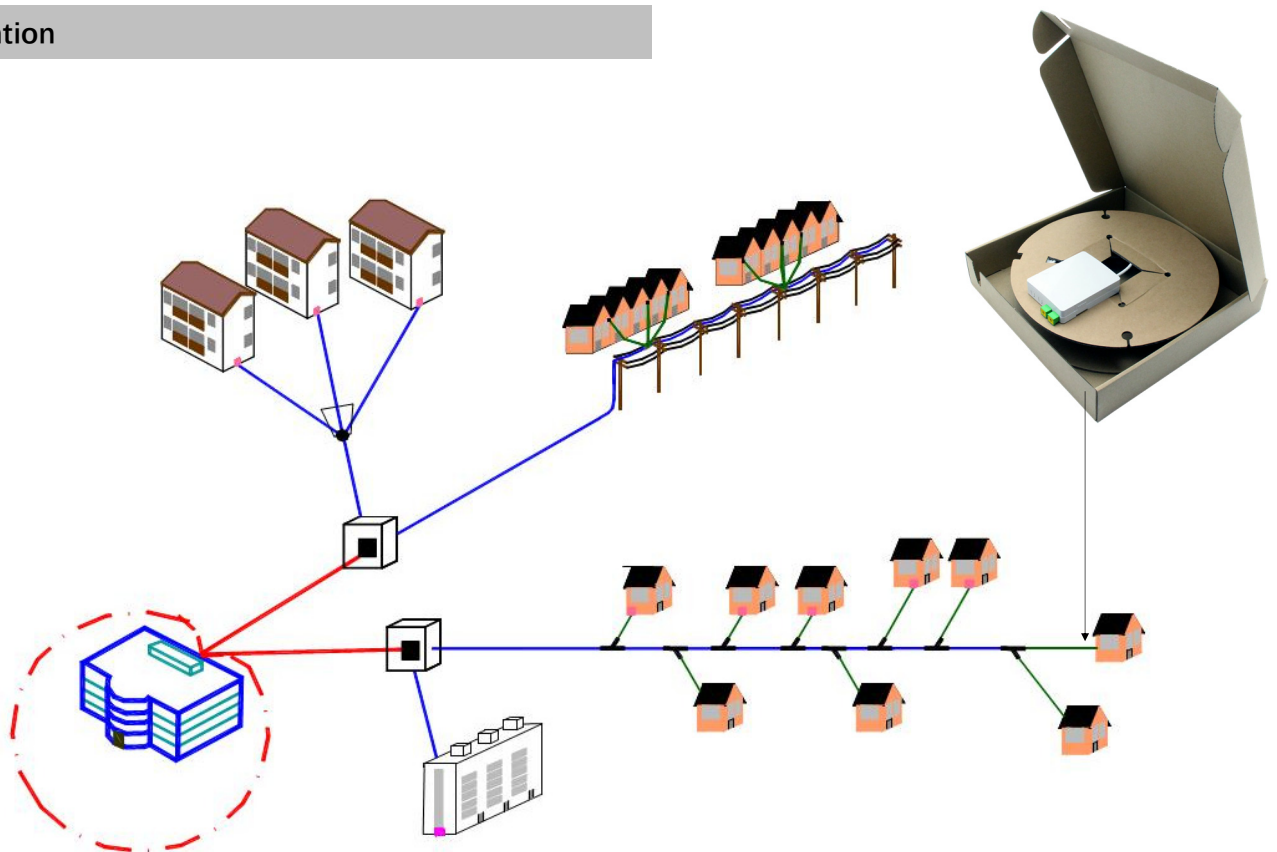**Products details– Fiber Pigtail/Patch cord in drum**

Pigtail

Patch cord

Open for Splice

Connector assembled for connection directly.

Application

A product for last 100m's solution of FTTH

High quality:
IL<0.3dB(Max)
RL>50dB(UPC), 60dB(APC)