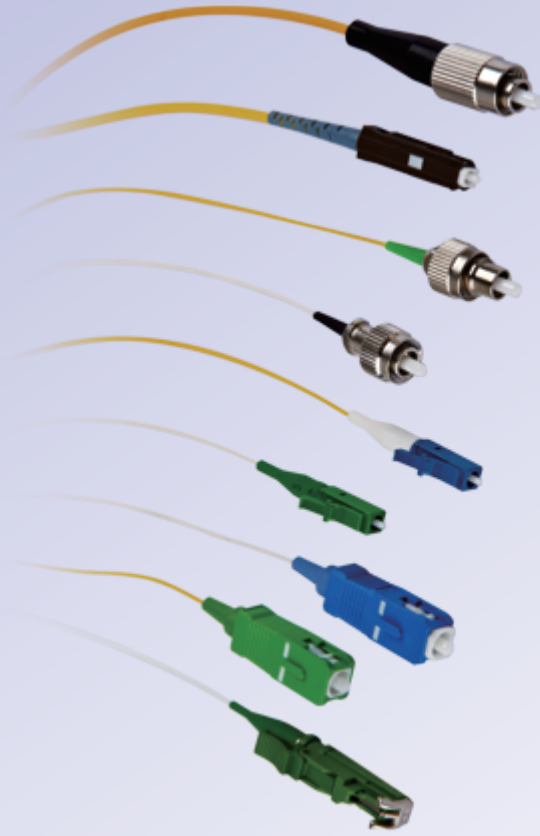


Pigtail and patch-cord are connected single fiber cable or duplex fiber cable. Various connectors such as FC, SC, ST, LC, E2000 and DIN are available. Strict manufacturing process ensure reliable quality of the pre-connectorized optical cable. All connectors are with good environmental and mechanical performance.



## FiberHome Pigtail and Patch-cord

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## Features

- ① Ultra-polished(UPC) and Angle-polished(APC) connectors with good performance
- ② Simplex and duplex are available
- ③ G.652D, G.655, G657A and G657B single-mode fiber are available
- ④ 50/125μm, 62.5/125μm, OM3, OM4 multi-mode fiber are available
- ⑤ Lengths available from 1 meter to 999 meters
- ⑥ Various colors of cable sheath

## Connector Type

### Single-mode Connector

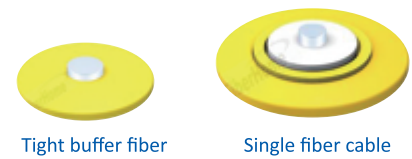
Connector Type	Insertion Loss	Return Loss	Repeatability (500 matings, additional IL)	Exchangeability (additional IL)
SC/UPC	0.3dB	50dB	≤ 0.2dB	≤ 0.2dB
SC/APC	0.3dB	60dB	≤ 0.2dB	≤ 0.2dB
FC/UPC	0.3dB	50dB	≤ 0.2dB	≤ 0.2dB
FC/APC	0.3dB	60dB	≤ 0.2dB	≤ 0.2dB
LC/UPC	0.3dB	50dB	≤ 0.2dB	≤ 0.2dB
LC/APC	0.3dB	60dB	≤ 0.2dB	≤ 0.2dB
ST/UPC	0.3dB	50dB	≤ 0.2dB	≤ 0.2dB
E2000/UPC	0.3dB	50dB	≤ 0.2dB	≤ 0.2dB
E2000/APC	0.3dB	60dB	≤ 0.2dB	≤ 0.2dB
DIN/UPC	0.3dB	50dB	≤ 0.2dB	≤ 0.2dB
DIN/APC	0.3dB	60dB	≤ 0.2dB	≤ 0.2dB

### Multi-mode Connector

Connector Type	Insertion Loss 50/125μm and 62.5/125μm	Repeatability (500 matings, additional IL)	Exchangeability (additional IL)
SC/UPC	≤ 0.3dB	≤ 0.2dB	≤ 0.2dB
LC/UPC	≤ 0.3dB	≤ 0.2dB	≤ 0.2dB
FC/UPC	≤ 0.3dB	≤ 0.2dB	≤ 0.2dB
ST/UPC	≤ 0.3dB	≤ 0.2dB	≤ 0.2dB

## Single Fiber Cable

- Ultra-polished(UPC) and Angle-polished(APC) connectors
- Available in 0.9mm, 1.4mm, 1.6mm, 2mm , 3mm and ect.



Item	Parameter				
Fiber count	Single fiber				
Cable type	Single fiber cable				
Operating temperature(℃)	-25 ~ +70				
Diameter of cable(mm)	0.9	1.4	1.6	2.0	3.0
Tensile strength(N)	10	40	40	60	70



- For A-side, cable with or without connector both are available. FC, SC, ST, LC, E2000 and DIN connector can terminated in factory
- For B-side, FC, SC, ST, LC, E2000 and DIN connector can terminated in factory, and the example showed above are cable with SC/UPC connector installed
- Cable length can be customized

## Duplex Core Cable

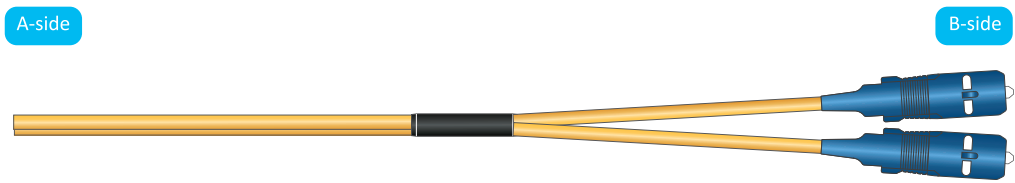
### Duplex Fiber Cable

Ultra-polished(UPC) and Angle-polished(APC) connectors

Item	Parameter
Fiber count	Duplex
Cable type	Duplex fiber cable
Diameter of cable(mm)	2.0*4.1 <b>【1】</b>
Tensile strength(N)	60
Operating temperature(℃)	-25 ~ +70

**【1】** Other sizes duplex fiber are available

Figure 8 Fiber Cable



- For A-side, cable with or without connector both are available. FC, SC, ST, LC, E2000 and DIN connector can be terminated in factory
- For B-side, FC, SC, ST, LC, E2000 and DIN connector can be terminated in factory, and the example shown above is a cable with SC/UPC connectors installed
- Cable length can be customized

## Ordering Information

OFC – XX – XX – XX – XXX – XX – XX – XXX

1
2
3
4
5
6
7

### 1 Fiber type

- Omit: G.652D
- S1: G.657A1
- S2: G.657A2
- S3: G.657B2
- S4: G.657B3
- S5: G.655C
- M1:50/125μm
- M2:62.5/125μm
- M3:OM3
- M4:OM4

### 2 3 Connector

- Omit: no connector
- SU:SC/UPC
- SA:SC/APC
- SA9:SC/APC/9°
- FU:FC/UPC
- FA:FC/APC
- LU:LC/UPC
- LA:LC/APC
- EU:E2000/UPC
- EA:E2000/APC
- DU:DIN/UPC
- DA:DIN/APC
- ST:ST/UPC
- MFA:MPO/FEMALE/APC
- MFU:MPO/FEMALE/UPC
- MMA:MPO/MALE/APC
- MMU:MPO/MALE/UPC

### 4 Cable type

- Omit: Simplex core cable
- DCC: Duplex core cable

### 5 Diameter of cable

- Omit: The cables besides tight buffer fiber cable and single fiber cable
- 09: ø0.9mm
- 14: ø1.4mm
- 16: ø1.6mm
- 20: ø2.0mm
- 30: ø3.0mm

### 6 Cable color

- Omit: Yellow
- BU: Blue
- OG: Orange
- GN: Green
- BN: Brown
- GY: Gray
- WT: White
- RD: Red
- BK: Black
- VI: Violet
- PK: Pink
- TUR:Turquoise

### 7 Cable length

- 0: 0m
- ...
- 999: 999m