

SC-LC Fiber Optic Patch Cord (G657A Fiber)



Description

Fiber optic patchcords and pigtailed are components to link equipments and components in fiber optic network. There are many types according to different types of fiber optic connector including FC、ST、SC、LC、E2000、MTRJ、MPO etc with single mode(9/125um) and multimode(50/125 or 62.5/125). Cable jacket material can be PVC, LSZH; OFNR, OFNP etc. There are simplex, duplex, multi fibers, Ribbon fan out and bundle fiber.

Application

Telecommunication Network
Fiber Broad Band Network
CATV system
LAN and WAN system
FTTP

Characteristics

1. Using high precision ceramic ferrule
2. Low insertion loss and high return loss
3. Excellent stability and high repetition
4. 100% Optic test (Insertion Loss & Return Loss)

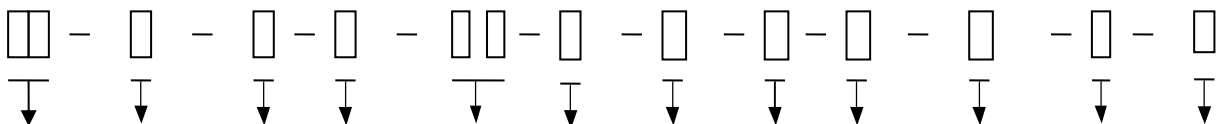
Specification

| Parameter | Unit | Mode Type | PC | UPC | APC |
|----------------|------|---|------|------|------|
| Insertion Loss | dB | SM | ≤0.3 | ≤0.3 | ≤0.3 |
| | | MM | ≤0.3 | ≤0.3 | ---- |
| Return Loss | dB | SM | ≥50 | ≥50 | ≥60 |
| | | MM | ≥35 | ≥35 | ---- |
| Repeatability | dB | Additional loss<0.1db,return loss< 5 dB | | | |

| | | |
|-----------------------|-------|---|
| Interchangeability | dB | Additional loss<0.1db,return loss< 5 dB |
| Connection times | times | >1000 |
| Operating Temperature | ℃ | -40℃- +75 ℃ |
| Storage Temperature | ℃ | -40℃- +85 ℃ |

Technical Test Data

| Test Item | Test Condition and Test Result |
|--------------------|---|
| Wet-resistance | Condition: under temperature:85℃,relative humidity 85% for 14days. Result: insertion loss≤0.1dB |
| Temperature change | Condition: under temperature -40℃-+75℃,relative humidity 10 % -80 % , 42 times repetition for 14days. Result: insertion loss≤0.1dB |
| Put in water | Condition: under temperature 43℃, PH5.5 for 7days Result: insertion loss≤0.1dB |
| vibrancy | Condition: Swing1.52mm, frequency 10Hz~55Hz, X、Y、Z three directions:2 hours Result: insertion loss≤0.1dB |
| Load bend | Condition: 0.454kg load, 100 circles Result: insertion loss≤0.1dB |
| Load Torsion | Condition: 0.454kgload, 10 circles Result: insertion loss ≤0.1dB |
| Tensibility | Condition: 0.23kg pull (bare fiber), 1.0kg (with shell) Result: insertion≤0.1dB |
| strike | Condition: High 1.8m, three directions ,8 in each direction Result: insertion loss≤0.1dB |
| Reference standard | BELLCORE TA-NWT-001209, IEC, GR-326-CORE standard |



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|----------------|-----------------|----------|--------------|-------------|-------------|-------------|---------|-------------|--------------------|----------------|----------------|
| PC= patch cord | SM= single mode | 1= G652B | cable colour | SX= simplex | connector 1 | connector 1 | 1=PVC | buffer type | fireproofing grade | cable diameter | fiber length |
| PT= pigtail | MM=multimode | 2= G652D | 1= yellow | DX= duplex | 1= SC/PC | 1= SC/PC | 2=LSZ | 1= tight | 1= | 1= 0.9mm | 1.0=1.0 meters |
| OT= others | 50/125 | 3= G656 | 2= orange | 04= 4 cores | 2= SC/UPC | 2= SC/UPC | H | 2=semitight | OFNR | 2= 1.6mm | 1.5=1.5 meters |
| | MM1=multimode | 4= G656 | 3= white | 06= 6 cores | 3= SC/APC | 3= SC/APC | 3=hytel | 3= loose | 2=OFN | 3= 1.8mm | 2.2=2.2 meters |
| | 62.5/125 | 5= G657A | 4= blue | : | : | : | 4=PE | P | 0= | 4= 2.0mm | 5=3.0mm meters |
| | 25 | 6= | 6= green | : | : | : | 0= | others | 0= | 5=3.0mm | 30=30 meters |
| | | | 0= others | : | : | : | others | others | 0= | 0=others | : |