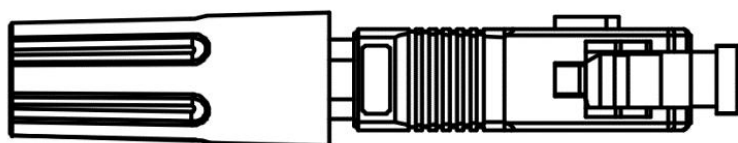


YX-02 Fast Connector



Product Structure :

Measured the Structure



Product length :

$50\text{mm} \leq L \leq 60\text{mm} (\approx 52.7\text{m})$

Optical Characteristics :

| Category | Specification |
|----------------|---------------------------|
| Applicable for | Drop cable, Indoor cable |
| Fiber mode | Single mode or Multi mode |
| Fiber type | G.652D, G.657A2, |

| | | |
|--|--|-------------------------------|
| Fiber cable | 3.0*2.0mm rubber-insulated optical cable $\varnothing 3.0/\varnothing 2.0$ / $\varnothing 0.9$ insulated optical cab | |
| Fiber diameter | 0.125mm | |
| Force holds 2 x 3mm cable type at the beginning the fast connector | ≥ 50 N, loss ≤ 0.3 dB (sample cable length:3Mtest time: 2 minutes | |
| Fiber lock | Lock holds fiber reliability, bears hang force ≥ 3.8 N, attenuation changes ≤ 0.2 dB | |
| Working wavelength | 1310 nm, 1490 nm, 1550 nm | |
| Operation time | S | About 50(no fiber cut) |
| Insertion Loss | dB | ≤ 0.35 |
| Insertion Loss Typical value | dB | 0.3 |
| Return Loss | dB | UPC ≥ 50 , APC ≥ 55 |
| Fastening strength of naked fiber | N | ≥ 3 |
| Tensile strength | N | ≥ 45 |
| Reusable | Time | ≥ 10 time |
| Operating Temperature | -40~+85 | |
| On-line tensile strength (20N) | dB | $\Delta IL \leq 0.3$ |
| Mechanical durability (500 times) | dB | $\Delta IL \leq 0.3$ |
| Drop-off test (drop-off height4m, once per direction, totally 3 times) | dB | $\Delta IL \leq 0.3$ |

Environmental performance requirements:

| Category | Specification | | | |
|-----------------------|--|--------------|--------------|--|
| | Condition | IL Variation | RL Variation | Appearance |
| High TEMP | 85°C, 96H | ≤ 0.3 | ≤ 5 | No mechanical damage, like deformation, cracking and untight |
| Low TEMP | -40°C, 96H | ≤ 0.3 | ≤ 5 | |
| Temperature Cycle | Cycle: 8 hours Total: 12 cycles / 96 hours Temperature Maintenance: 1 hour | ≤ 0.3 | ≤ 5 | |
| Temperature/ Humidity | 85°C, 95%RH, 96H | ≤ 0.3 | ≤ 5 | |
| Immersion | 25°C, 96H | ≤ 0.3 | ≤ 5 | |
| Salt Mis | 5% Nacl, 6.5 < PH < 7.5,35°C,96H | ≤ 0.3 | ≤ 5 | |

Mechanical Performance Requirement

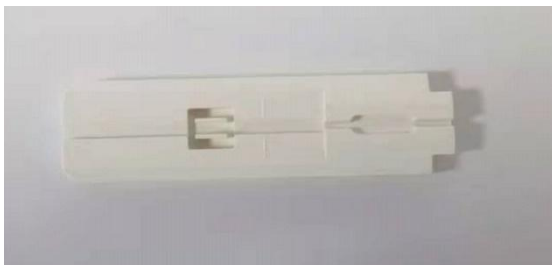
| Category | Specification | | | |
|----------|--|--------------|--------------|----------------------------|
| | Condition | IL Variation | RL Variation | Appearance |
| Impact | Height: 4m; 1 drop each axis; 3 cycles | ≤ 0.3 | ≤ 5 | No mechanical damage, like |

| | | | | |
|-----------|--|------|----|---|
| Vibration | Frequency: 10 ~ 50HZ; Sweep: 45 times / min; amplitude: 0.75mm; Duration:30min each axial | ≤0.3 | ≤5 | deformation, cracking and untight |
| Torsional | Pull : 15N; The distance between Loading location and fast connector: L = 22-28cm; Rate : 10times / min. Times: | ≤0.3 | ≤5 | |
| Tensile | Pull : 50N; The distance between Loading lo cation and fast connector: L =3M; Duration:1min | ≤0.3 | ≤5 | |

Product Packaging Information : Blister Box Packing

| | | |
|---|--------------|---------------------|
|  | Size(CM) | 14.7*7.8*1.5 |
| | QTY(PCS/Box) | 10 |
| | N.W(KG/PCS) | 0.0031 |
| | N.W(KG/Box) | 0.031 |
| | G.W(KG/Box) | 0.041 |

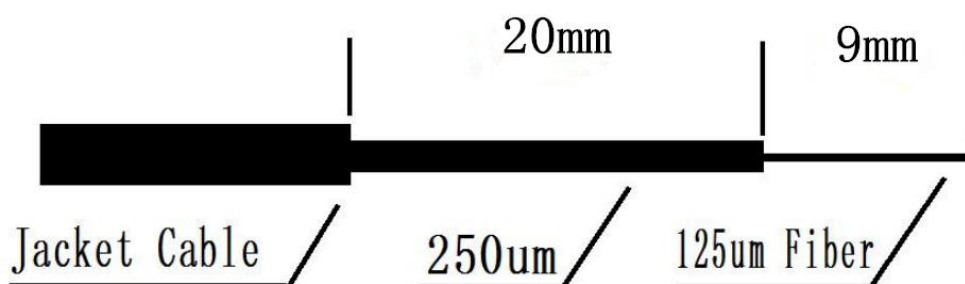
Adapter (supports strip and cut fiber):



1 adapter / 50 fast con nectors

1 Operation Manual/ 10 fast con ne


Cleave fiber :



Gift Box Packing(Inner packing) :

| | | |
|---|---------------------------|------------------|
|  | Size(CM) | 15.5*8*12 |
| | QTY(Blister Box/Girt Box) | 10 |
| | N.W(KG/Box) | 0.41 |
| | G.W(KG/Box) | 0.44 |

Outer Packing:

| | | |
|--|-------------------|-----------------|
|  | Size(CM) | 39*17*26 |
| | QTY(Gift Box/Box) | 10 |
| | QTY(Pcs/Box) | 1000 |
| | N.W(KG/Box) | 3.5 |
| | G.W(KG/Box) | 5 |