

## FIBER OPTIC FAST CONNECTORS

### Description

The fast connectors or field assembly optical connector are pre-polished from factory with V groove mechanical splicing principal to be terminated without epoxy. It operates simply without any additional practices or adhesives for field installation.

We provide LC, SC, FC singlemode, multimode fiber optic fast connector which is widely used in optical wiring, CCTV, FTTH projects.

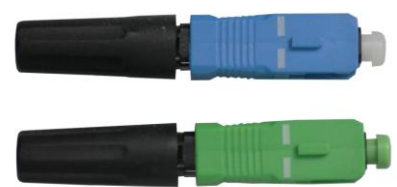
### Model:



FNSS-091 0.9 60mm



FNSS-551 55mm



FNSS-552 55mm



FNSS-553R heat 55mm



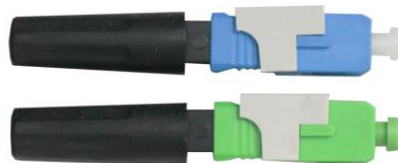
FNSS-581 58mm



FNSS-582 58mm



FNSS-601 60mm



FNS-8502 50mm



FNYT-497 49.7mm



FNYT-520 52mm



FNYT-566 56.6mm



FNTY-500 50mm



FNSS-557 50mm



FNSS-556 55mm



FNSS-500

## Features:

- Field installable in short time
- Factory pre-installed fiber stub
- No epoxy and polish required and without special tools to be used
- Eliminates cable excess length and pigtail splice storage
- Reliable and superior optical performance
- UPC or APC endface polish, singlemode or multimode for option

## Application

- FTTH access network.
- Telecommunication Networks
- CATV Networks
- Local Area Networks
- Optical repair or replacement requirement
- Maintenance or emergency restoration of fiber networks

## Optical Characteristics

Category	Specification	
Applicable for	Drop cable, Indoor cable	
Optical fiber diameter and fiber	125um(G657A1&G657A2&G657B)	
Tight buffer Diameter	250um	
Fiber mode	<b>Single mode</b> or Multi mode	
Operation time	Sec	About 50(no fiber cut)
Insertion Loss	dB	≤0.3(max 0.5)
Insertion Loss Typical value	dB	0.3
Return Loss	dB	≥45
Fastening strength of naked fiber	N	≥5
Tensile strength	N	≥50
Reusable	Time	≥10 times
Operating Temperature	°C	-40~+85 °C
On-line tensile strength(20N)	dB	ΔIL≤0.3
Mechanical durability(500 times)	dB	ΔIL≤0.3
Drop-off test(drop-off height4m, once per direction, totally 3 times)	dB	ΔIL≤0.3

## Environmental performance requirements

Category	Specification			
	Condition	IL Variation	RL Variation	Appearance
High TEMP	110°C, 200H	≤0.3	≤5	No mechanical damage, like deformation, cracking and unlight
Low TEMP	-40°C, 200H	≤0.3	≤5	
TEMP Cycling	-40~85°C, 3.5H/Cle, 100C	≤0.3	≤5	
HAST	110°C, 90%RH,200H	≤0.3	≤5	
Immersion	25°C,200H	≤0.3	≤5	
Salt Mist	5% Nacl, 6.5<PH<7.5, 35°C,200H	≤0.3	≤5	

## Mechanical Performance Requirements

Category	Specification			
	Condition	IL Variation	RL Variation	Appearance
Impact	Height: 4m; 1 drop each axis; 3 cycles	≤0.3	≤5	No mechanical damage, like deformation, cracking and untight
Vibration	Frequency: 10 ~ 50HZ; Sweep: 45 times / min ; amplitude: 0.75mm; Duration:30min each axial	≤0.3	≤5	
Torsional	Pull: 15N; The distance between Loading location and fast connector: L = 22-28cm; Rate: 10times / min. Times: 200	≤0.3	≤5	
Tensile	Pull : 50N ; The distance between Loading location and fast connector: L = 22-28cm; Duration: 1min.	≤0.3	≤5	