

# Sales Catalog of HNK Telecommunication Products

## Splicing & Engineer Accessories

### Fiber Optic Mechanical Splice

Fiber optic mechanical splice is recommended for indoor or outdoor through or branch splicing, transition splicing between listed and non-listed cables, pigtail splicing and is ideal for emergency restoration. Applying the V-groove tech, it is easier and faster than the traditional fusion splicing. Universal mechanical splice L925B is interconnected between  $\phi 0.9\text{mm}$  and  $\phi 0,25\text{mm}$  buffer fiber. (3 ways: 0.25-0.25;0.9-0.9;0.25-0.9). L925BP provide connection solution between 2.0\*3.0mm drop cable. A splice with preset pig tail, after field connection to 2.0\*3.0mm drop cable, L925BH can be applied directly to device, which is easy fast and economical.



#### Standards Compliance

- Telcordia GR-1209-CORE (Generic Requirements for passive Optical components).
- Telcordia GR-1221-CORE (Generic Reliability Assurance Requirements for Passive Optical Components).
- YD/T2155-2010 (Single optical fiber mechanical splice for telecommunication).
- 2011/65/EU (ROHS2.0, Directive on Restriction of Hazardous Substances.).

#### Features

- Fiber alignment mechanism: self-centers the fiber for accurate alignment
- No adhesive or epoxy required: Reduces splice time with no curing needed
- Universal: accommodates 250  $\mu\text{m}$  fiber coatings and 900  $\mu\text{m}$  tight-buffered cable, 2.0\*3.0mm cables
- No polishing required: reduces installation time

#### Technical Parameter

Item	Parameter
Applicable for	$\phi 0.25\text{ mm}$ & $\phi 0.90\text{ mm}$ fiber, 2.0 x 3.0 Drop Cable
Optical fiber diameter	125 $\mu\text{m}$ (652 & 657)
Tight buffer diameter	250 $\mu\text{m}$ & 900 $\mu\text{m}$
Applicable mode	single & multimode
Operation time	about 10s (without fiber cut)
Insert loss	$\leq 0.15\text{dB}$ (1310nm & 1550nm)
Return loss	$\leq -40\text{dB}$
Fastening strength of naked fiber	$>5\text{ N}$
Clamping force of fiber with tight buffer	$>8\text{ N}$
Using temperature	-40~+75 $^{\circ}\text{C}$
Reusability (10 times)	$\square$ IL $\leq 0.2\text{dB}$ $\square$ RL $\leq 5\text{dB}$

#### Ordering Information

Part Number	Description
FMS	Fiber Optic Mechanical Splice