

Sales Catalog of HNK Telecommunication Products

Splicing & Engineer Accessories

SC Fast Connector

SC fast connector is used for field-assembled optical fiber connector, widely used in fiber to the Subscriber (FTTx) access optical networks. The fast connector during the installation process does not require any adhesive and curing process. Easy for learning assemble method by a user manual (within 1 and half minutes), then fast installation in the field.

Standards Compliance

- UL-94V0 flammability rating
- GR-326-CORE (Singlemode Optical Connectors and Jumper Assemblies standard)
- IEC 61754-4:2013 (defines the standard interface dimensions for type SC family of connectors.)
- TIA/EIA 604(Fiber Optic Connector Intermateability Standards)
- TIA/EIA-568-C.3 (Optical Fiber Cabling Components Standard)
- RoHS, REACH SvHC compliant



Features

- Suitable for FTTx 3.1 x 2.0mm drop cable.
- Adopting fiber pre-installed structure, and convenient for field installation.
- Using simple tools without electrical power, no special tools needed to install.
- Optical and mechanical specification are fully compatible with the standard SC connectors.
- Fiber aligned in v-groove through the ceramic ferrule.
- Low-volatile reliable matching liquid preserved by side cover.
- No need of polishing or adhesive, ceramic ferrule with embedded fiber stub is pre-polished.
- Minimize the defect rate by features of removal and reusable.

Technical Specification

Item	SPFC Type and SAFC Type	SPFC-N Type and SAFC-N Type
Applicable Cable	3.0 x 2.0 mm Drop Cable	
Applicable Fiber Coating Diameter	250μm	
Fiber Type	Singlemode	
Connector Length (mm)	51	53
Assemble Success Rate	>98%	
Reused Times	≥ 5	
Insertion loss(IL)	≤ 0.3dB (1310nm & 1550nm) (Average Value ≤ 0.2dB)	
Return loss(RL)	UPC ≥ 40dB; APC ≥ 55dB.	
Tighten Strength of Bare Fiber	>5N	
Tensile Strength	>50N	
On-line Tensile Strength Test (20 N)	IL Variation ≤ 0.2dB	
Mechanical Durability(500 times)	IL variation ≤ 0.2dB	
Operating Temperature	-40°C ~ +85°C	
Storage Temperature	-40°C ~ +85°C	
Relative Humidity	≤ 95% (+30 °C)	
Atmospheric pressure	62kPa ~ 106kPa	

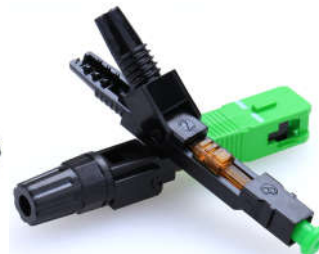
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Product Details



SPFC-Type

SPFC-N Type



SAFC-Type

SAFC-N Type



**the packing of the product
(10pcs/box, with user manual)**

Ordering Sample

Part Number	Description
SAFC	SC APC Fast Connector.
SPFC	SC PC Fast Connector.
SAFC-N	SC APC Fast Connector (New Type).
SPFC-N	SC PC Fast Connector (New Type).