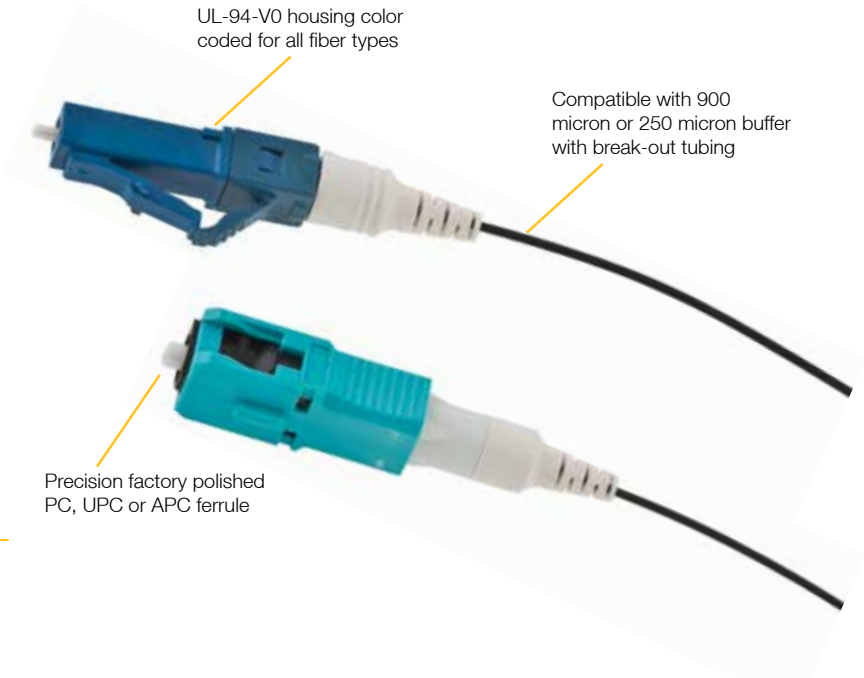
HUBBELL OptiChannel PROclick® Fiber Connectors

HUBBELL Advantage

- Industry's True Low Loss, High Yield Pre-polished Connector
- Terminate in Less Than 60 Seconds
- CSI Specs, Drawings and Advanced Termination Tips Available
- RoHS Compliant and Bulk Packed in Recyclable Boxes



Hubbell's **PROclick®** pre-polished SC and LC fiber connectors are a reliable, low cost field termination solution, eliminating adhesives and polishing. Hubbell's **PROclick** pre-polished SC and LC connectors provide a quick, simple termination method, featuring a pre-installed cleaved fiber with an index-matching splice mechanism, and a precision factory pre-polished zirconia ceramic ferrule. A micron-precision fiber alignment mechanism and smooth fiber feed ensure a low loss, high yield termination.

Utilizing a proven fiber clamping method, **PROclick** SC and LC connectors perform under extreme temperatures specified in Telcordia GR-326 standards. Termination can be completed in less than 60 seconds. Simply insert the cleaved fiber into the connector, hold in place, and remove the wedge clip to close the fiber clamp. VFL confirmation after termination may be performed to assure optimum fiber mating inside the splice element.

FEATURES

- Precision low-loss, factory polished connector with integral splice and fiber clamp
- Simple and fast connector termination, with no adhesives or field polishing required
- Provisions for visual light source verification to achieve optimal splice transmission
- Fibers supported: OM1, OM2, OM3, OM4, SM
- Wide operating temperature range for thermally stable optical performance

SPECIFICATIONS

- Insertion loss: 0.5dB Typ, 0.75dB max
- Singlemode return loss: 55dB Typ, 40dB min
- Multimode return loss: 35dB Typ, 22dB min
- Operating temperature range: -40ºC to +75ºC
- Mating durability: 500 cycles <0.1 dB change
- Zirconia ferrule:
  - LC: 1.5mm PC or UPC polish
  - SC: 2.5mm PC, UPC or APC polish
- OM3 connectors are compatible with all OM4 applications

STANDARDS

- TIA-568-C.3 performance requirements
- Telcordia GR-326 end face geometry
- Telcordia GR-326 service life tests
- IEC61754-20 and TIA-604-10 intermateability

APPLICATIONS

- 10GbE multimode and singlemode optical networks
- Intra-building backbone and horizontal fiber interconnections
- Inter-building OSP entrance terminations
- Data Center and WAN main cross-connect terminations
- Quick deployment remote data links
- Fiber to the Subscriber (FTTX)
- Low reflection angle polish singlemode applications

ORDERING INFORMATION

Delivery: Box of 12 individually bagged connectors with instructions.

Description	SC Catalog Number*	LC Catalog Number*
50/125 MM-OM3/OM4 900/250 µM	**FCSC900K50GM12**	**FCLC900K50GM12**
50/125 MM-OM2 900/250 µM	**FCSC900K50M12**	**FCLC900K50M12**
62.5/125 MM-OM1 900/250 µM	**FCSC900K62M12**	**FCLC900K62M12**
9/125 UPC SM 900/250 µM	**FCSC900KSM12**	**FCLC900KSM12**
9/125 APC SM 900/250 µM	**FCSC900KASM12**	–

Replace **12 with **100** at end of Catalog Number for 100 pack.*

ACCESSORIES

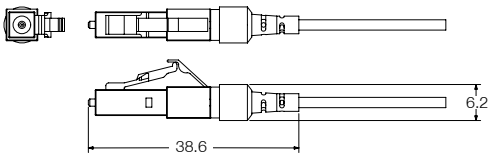
Description	Catalog Number
Fiber Cleaver, Multimode	**OFCLV3**
Precision Cleaver, SM / MM	**OFCLV5**
Fiber Strip Tool, 250/900/2.0/3.0mm	**OFSTRIP2**
Fiber Microscope (Use LC Adapter)	**OFSCOPE1**
Laser Visual Fault Locator	**OFVFLKT1**
6 Fiber 900 µM Break Out Tube Kit	**OFBOKT6**
12 Fiber 900 µM Break Out Tube Kit	**OFBOKT12**

FIBER CONNECTOR COLOR CODE

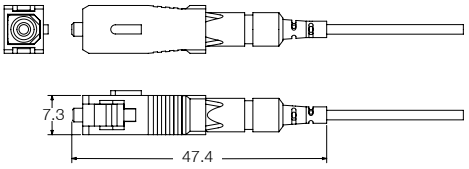
Housing Colors	Fiber Type
Aqua	50/125 10G MM-OM3
Black	50/125 MM-OM2
Beige	62.5/125 MM-OM1
Blue	9/125 UPC SM
Green	9/125 APC SM

DIMENSIONS

LC Connector



SC Connector



Dimensions are in mm.

INTEGRATED SOLUTIONS

Station and Cross-Connect Terminations

- FSP Series Patch Panel X-Connections
- UDX Multimedia Panel Snap Fitting
- Snap-Fit Workstation Connections
  - Hubbell iSTATION and IFP Plates
  - FPR and FCR Series Enclosures
  - AMO, OFPPL and ISB Housings

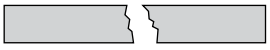
Delivery Systems Solutions

- Hubbell SystemOne, Poke-Throughs and Floor Boxes
- Multi-Connect Wall Boxes
- Raceway Outlets: Metal and Non-Metallic

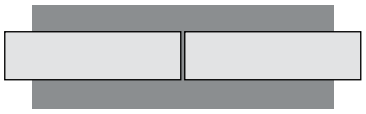
TYPICAL APPLICATION

- Fiber Cleave quality and cleaved length is critical. Refer to the product instructions and published tips on fiber cleaving and terminating pre-polish connectors. Broken fibers will cause failure. The installer is responsible for using proper fiber cleaving procedures.
- Using the OFCLV5 precision cleave tool is recommended for all terminations to optimize cleave quality and optical transmission.
- Refer to Hubbell instructions and technical publications for 250 micron OSP cable terminations. Strip length and break-out tube clamping during termination is critical to prevent fiber gaps.
- Contact Hubbell Premise Wiring Technical Services for additional publications on cleaving and termination.

Cleaved Fiber



Broken Fiber



Optimum Fiber Splice

- ✓ Good cleave quality
- ✓ Zero cleave angle
- ✓ No gap, no chips
- ✓ No contamination