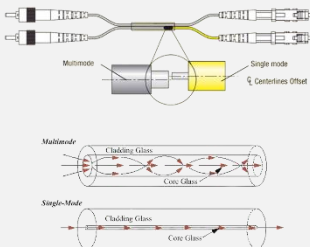


## SCHNELL SINGLEMODE FIBER PATCH CORD

Schnell Single mode Fiber Patch Cords offer high-quality, low-loss connectivity between active devices, outlets, and patch panels. Available in OS1 and OS2 9/125  $\mu\text{m}$  variants, they are 100% factory tested and come in simplex or duplex formats. With flexible strain-relief boots and a variety of connector types, they ensure reliable performance for long-distance optical links.



### DIAGRAM & CONSTRUCTION

Fiber Type	: OS1 / OS2 (9/125 $\mu\text{m}$ single mode)		Jacket Color	: Yellow (standard)
Cable Type	: Simplex / Duplex		Cable Lengths	: 1m to 30m (custom lengths available)
Connector Types	: SC, LC, ST, FC, MU, MTRJ		Boot Style	: Slim-profile with strain relief
Jacket Material	: PVC / Plenum (OFNP) / LSZH		Polishing Type	: PC / UPC / APC

### OPTICAL CHARACTERISTICS

Max. Insertion Loss	: $\leq 0.30$ dB (IEC 61300-3-4)
Return Loss (UPC)	: $\geq 50$ dB
Return Loss (APC)	: $\geq 60$ dB
Durability	: $\leq 0.20$ dB change after 500 cycles (IEC 61300-2-2)

### PHYSICAL CHARACTERISTICS

Cable Retention (FOTP-6)	: 33 N at 0° for 5 sec
Twist Resistance (FOTP-36)	: 15 N, 5 turns $\times$ 10 cycles
Flex Test (FOTP-1) Operating Temperature	: 0.5 kg @ 25 cm, +90° to -90°, 100 cycles : -20°C to +70°C

### KEY FEATURES

- OS1 and OS2 9/125  $\mu\text{m}$  single mode fiber options
- Low insertion loss and high return loss performance
- Slim boot design with strong strain relief
- Available in SC, LC, ST, FC, MU, and MTRJ connectors

### KEY APPLICATIONS

- Long-distance point-to-point fiber connections
- Telecom and data center patching environments
- ODF, patch panel, or outlet terminations
- High-speed single mode Ethernet, DWDM, and FTTH

### REACTION TO FIRE

Flame Resistance	: IEC 60332-1 compliant (PVC/LSZH jacket)
Smoke Density	
Halogen Content	: IEC 61034 compliant (LSZH version)
Jacket Material Options	: IEC 60754-1 & IEC 60754-2 compliant

### STANDARDS

- Insertion & Return Loss: IEC 61300-3-4 compliant
- Durability: IEC 61300-2-2 tested
- Cable Performance: FOTP-1, FOTP-6, FOTP-36 compliant
- RoHS: Fully compliant
- Polish Types: PC, UPC, APC available

**PART NUMBER & ORDERING INFORMATION**

**SC-LC Single Mode Fiber Patch Cords**

DESCRIPTION	OS1 (9/125)	OS2 (9/125)
SC/PC-LC/PC 1M DUPLEX PVC	SCZ-7010LSSI01	SCZ-7010LSS201
SC/PC-LC/PC 2M DUPLEX PVC	SCZ-7010LSSI02	SCZ-7010LSS202
SC/PC-LC/PC 3M DUPLEX PVC	SCZ-7010LSSI03	SCZ-7010LSS203
SC/PC-LC/PC 5M DUPLEX PVC	SCZ-7010LSSI05	SCZ-7010LSS205
SC/PC-LC/PC 10M DUPLEX PVC	SCZ-7010LSSI10	SCZ-7010LSS210
SC/PC-LC/PC 15M DUPLEX PVC	SCZ-7010LSSI15	SCZ-7010LSS215
SC/PC-LC/PC 20M DUPLEX PVC	SCZ-7010LSSI20	SCZ-7010LSS220
SC/PC-LC/PC 30M DUPLEX PVC	SCZ-7010LSSI30	SCZ-7010LSS230

**SC-SC Single Mode Fiber Patch Cords**

DESCRIPTION	OS1 (9/125)	OS2 (9/125)
SC/PC-SC/PC 1M DUPLEX PVC	SCZ-7010SSSI01	SCZ-7010SSS201
SC/PC-SC/PC 2M DUPLEX PVC	SCZ-7010SSSI02	SCZ-7010SSS202
SC/PC-SC/PC 3M DUPLEX PVC	SCZ-7010SSSI03	SCZ-7010SSS203
SC/PC-SC/PC 5M DUPLEX PVC	SCZ-7010SSSI05	SCZ-7010SSS205
SC/PC-SC/PC 10M DUPLEX PVC	SCZ-7010SSSI10	SCZ-7010SSS210
SC/PC-SC/PC 15M DUPLEX PVC	SCZ-7010SSSI15	SCZ-7010SSS215
SC/PC-SC/PC 20M DUPLEX PVC	SCZ-7010SSSI20	SCZ-7010SSS220
SC/PC-SC/PC 30M DUPLEX PVC	SCZ-7010SSSI30	SCZ-7010SSS230

**LC-LC Single Mode Fiber Patch Cord**

DESCRIPTION	OS1 (9/125)	OS2 (9/125)
LC/PC-LC/PC 1M DUPLEX PVC	SCZ-7010LLSI01	SCZ-7010LLS201
LC/PC-LC/PC 2M DUPLEX PVC	SCZ-7010LLSI02	SCZ-7010LLS202
LC/PC-LC/PC 3M DUPLEX PVC	SCZ-7010LLSI03	SCZ-7010LLS203
LC/PC-LC/PC 5M DUPLEX PVC	SCZ-7010LLSI05	SCZ-7010LLS205
LC/PC-LC/PC 10M DUPLEX PVC	SCZ-7010LLSI10	SCZ-7010LLS210
LC/PC-LC/PC 15M DUPLEX PVC	SCZ-7010LLSI15	SCZ-7010LLS215
LC/PC-LC/PC 20M DUPLEX PVC	SCZ-7010LLSI20	SCZ-7010LLS220
LC/PC-LC/PC 30M DUPLEX PVC	SCZ-7010LLSI30	SCZ-7010LLS230