

FIBER OPTICS PATCH CORDS LSZH



SC/APC TO SC/APC
SM-PATCH CORD



SC/APC TO LC/APC
SM-PATCH CORD



LC/UPC TO LC/UPC
MM-PATCH CORD

DESCRIPTION

Datacom offers wide range of standard patch cords as well as custom-made configuration on demand. Patch cords are available in Single Mode OS2 ITUG657 A2/ 652.D and Multi Mode OM3/OM4 categories. All Patch cords are with tight buffered construction and both ends and are pre-terminated with either SC or LC connectors come in simplex or duplex cords. Patch cord cable jacket constructed with LSZH-rated material. Low insertion loss Angled Physical Contact (APC), ultra Physical Contact (UPC) straight cord or combined hybrid type cords with different lengths are available. Datacom Patch cords are available in various lengths, users can configure fibre type (SM or MM) category and length range from 1 meter to 30 meters. Datacom multimode patch cords shall meet an optical return loss equal to or greater than 25 dB per mated pair, and single-mode equal to or greater than 50 dB for UPC polish. Standard insertion loss shall not exceed 0.4 dB per mated pair for multimode 0.35 dB for single-mode, datacom connector exceeds the standard value. The patch cords shall be compliant with ANSI/TIA-568.3-D standard.

APPLICATION

- FFTH, Telecoms CO, Datacenters, CATV LAN & WAN
- LAN, PON & Optical CATV, Local ring net
- Optical fiber communication system
- Optical fiber test equipment
- Optical fiber sensor
- Optical fiber sensor
- Provide interconnect and cross-connect of applications in entrance facilities, telecommunications rooms, data centers, at the desk and network applications to interconnect pre-terminated cassettes in main distribution, horizontal distribution, and equipment distribution areas.

STANDARDS COMPLIANCE

- LSZH IEC 60332-1-2
- IEC 60332-3-24, IEC 60754-1
- TIA-604-3 (FOCIS-3)
- TIA-604-5 (FOCIS-10)
- TIA 568.3-D, ROHS complied

FEATURES

- Low insertion loss
- High return loss
- Excellent Repeatability, exchangeability, wearability and stability.
- Environmentally Stable
- Available in duplex and Simplex configurations
- Simplex configurations available as custom
- All cables 100% optically tested.
- Many fiber options: OS2, OM3, OM4 and OM5
- All cords are pre-labeled and individually bagged

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PHYSICAL CHARACTERISTICS	
Range of Mode	Single Mode, Multi Mode
Connector Style	SC/APC-SC/APC, LC/APC-LC/APC, SC/APC-LC/APC (SM) SC/UPC-SC/UPC, LC/UPC-LC/UPC, SC/UPC-LC/UPC (SM&MM)
Cable Type	Simplex / Zip cord
Polish or Ferrule Interface Type	APC / UPC
Cable Diameter	3.0mm (APC) ,2.0mm /3.0mm (UPC)
Strength Member	Aramid Yarn
Outer Jacket Material	LSZH
Jacket Colour - Single Mode	Yellow
Jacket Colour- Multi Mode	Aqua (OM3), Turquoise (OM4)

PERFORMANCE CHARACTERISTICS	
Insertion Loss-Single Mode	Random mated average ≤ 0.12 dB Random mated for 97% ≤ 0.25 dB Against reference ≤ 0.15 dB
Fiber Extension	$(-).0.05\mu\text{m} < H < 0.05\mu\text{m}$
2.5mm Ferrule End-Face Radius	$6.5 < R < 9\text{mm}$
1.25mm Ferrule End-Face Radius	$6 < R < 12\text{mm}$
2.5mm Ferrule End-Face Radius (SC/UPC)	$10 < R < 15\text{mm}$
1.25mm Ferrule End-Face Radius (LC/UPC)	$7 < R < 15\text{mm}$
Apex Offset	0 to 40 μm
Angle-APC (°)	7.7° to 8.3°
Increase in insertion loss after 500 mating	0.2dB Max
Return Loss	For MM > 25 dB and SM > 50 dB
Operating Temperature	-25° to 70°
Storage Temperature	-25° to 70°

ORDERING INFORMATION

Description

Datacom Single Mode SC/APC To SC/APC Simplex LSZH Patch cord
Datacom Single Mode LC/APC To LC/APC Simplex LSZH Patch cord
Datacom Single Mode SC/APC To LC/APC Simplex LSZH Patch cord
Datacom Single Mode SC/UPC To SC/UPC Duplex LSZH Patch cord
Datacom Single Mode LC/UPC To LC/UPC Duplex LSZH Patch cord
Datacom Single Mode LC/UPC To SC/UPC Duplex LSZH Patch cord
Datacom Multi Mode LC/UPC To LC/UPC Duplex LSZH Patch cord
Datacom Multi Mode SC/UPC To SC/UPC Duplex LSZH Patch cord
Datacom Multi Mode SC/UPC To LC/UPC Duplex LSZH Patch cord

Part No.

DC-PC-SCAP-09-'xx'S
DC-PC-LCAP-09-'xx'S
DC-PC-SCLCAP-09-'xx'S
DC-PC-SCSC-09-'xx'D
DC-PC-LCLC-09-'xx'D
DC-PC-SCLC-09-'xx'D
DC-PC-LCLC-50-'xx'D-'aa'
DC-PC-SCSC-50-'yy'D-'aa'
DC-PC-SCLC-50-'yy'D-'aa'

Hybrid APC Patch cords SC-LC

Datacom Single Mode SC/APC To LC/UPC Duplex LSZH Patch cord
Datacom Single Mode LC/APC To SC/UPC Duplex LSZH Patch cord
Datacom Single Mode SC/APC To LC/UPC Simplex LSZH Patch cord
Datacom Single Mode LC/APC To SC/UPC Simplex LSZH Patch cord

DC-PC-9DSCALCULZ-'xx'
DC-PC-9DLCASCULZ-'xx'
DC-PC-9SSCASCULZ-'xx'
DC-PC-9SLCASCULZ-'xx'

**XX = Length in Meters aa= Category of Multimode (OM3=M3, OM4=M4, OM5=M5)