

FEATURES

- SC-SC fiber optic patch cord family for single-mode and multimode networks.
- Low insertion loss and high return loss.
- Precision zirconia ceramic ferrules for stable optical performance.
- Available in Simplex and Duplex construction.
- UPC and APC polishing options for single-mode versions.
- 2.0 mm or 3.0 mm cable diameter options.
- Factory-terminated and optically tested assemblies.

APPLICATIONS

- Telecommunications
- LAN and campus networks
- FTTH / FTTx distribution
- Data centers and equipment rooms
- Optical distribution frames (ODF)
- Testing instruments and fiber links

 PL-PC22DSUxx SC/SC UPC Duplex Single Mode , OS2	 PL-PC22SSUxx SC/SC UPC Simplex Single Mode , OS2
 PL-PC22DSAxx SC/SC APC Duplex Single Mode , OS2	 PL-PC22SSAxx SC/SC APC Simplex Single Mode , OS2
 PL-PC22DMUxx SC/SC UPC Duplex Multi Mode , OM2	 PL-PC22SMUxx SC/SC UPC Simplex Multi Mode , OM2
 PL-PC22DM3Uxx SC/SC UPC Duplex Multi Mode , OM3	 PL-PC22SM3Uxx SC/SC UPC Simplex Multi Mode , OM3
 PL-PC22DM4Uxx SC/SC UPC Duplex Multi Mode , OM4	 PL-PC22SM4Uxx SC/SC UPC Simplex Multi Mode , OM4

TECHNICAL SPECIFICATIONS

Parameter	Single-mode UPC / PC	Single-mode APC	Multimode UPC
Insertion Loss	≤ 0.20 dB	≤ 0.20 dB	≤ 0.20 dB
Return Loss	≥ 50 dB	≥ 60 dB	≥ 30 dB
Operating Wavelength	1310 / 1550 nm	1310 / 1550 nm	850 / 1300 nm
Interchangeability	ΔIL ≤ 0.20 dB	ΔIL ≤ 0.20 dB	ΔIL ≤ 0.20 dB
Vibration	ΔIL ≤ 0.20 dB	ΔIL ≤ 0.20 dB	ΔIL ≤ 0.20 dB
Connector Durability	≥ 500 mating cycles	≥ 500 mating cycles	≥ 500 mating cycles
Operating Temperature	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C
Storage Temperature	-45 to +85 °C	-45 to +85 °C	-45 to +85 °C

CONSTRUCTION & COMPLIANCE

Connector Interface	SC to SC
Connector Interface Standard	IEC 61754-4, Type SC connector family
Ferrule	Precision zirconia ceramic, 2.5 mm nominal
Test / Measurement Reference	IEC 61300 series, as applicable
Fiber Core	Simplex (SP/SX) or Duplex (DP/DX)
Cable Diameter	2.0 mm or 3.0 mm; LSZH jacket available; other jacket materials on request
Fiber Classes	OS2 Single-mode 9/125 μm; OM2 / OM3 / OM4 Multimode 50/125 μm

ORDERING INFORMATION - SC-SC SERIES

All models below are SC-SC patch cords. **xx** = cable length in meters.

Series / Configuration	Part Number	Description
SC/SC UPC Duplex Single Mode	PL-PC22DSUxx	SC/SC UPC Duplex, Single Mode, OS2
SC/SC UPC Simplex Single Mode	PL-PC22SSUxx	SC/SC UPC Simplex, Single Mode, OS2
SC/SC APC Duplex Single Mode	PL-PC22DSAxx	SC/SC APC Duplex, Single Mode, OS2
SC/SC APC Simplex Single Mode	PL-PC22SSAxx	SC/SC APC Simplex, Single Mode, OS2
SC/SC UPC Duplex Multi Mode OM2	PL-PC22DMUxx	SC/SC UPC Duplex, Multimode, OM2
SC/SC UPC Simplex Multi Mode OM2	PL-PC22SMUxx	SC/SC UPC Simplex, Multimode, OM2
SC/SC UPC Duplex Multi Mode OM3	PL-PC22DM3Uxx	SC/SC UPC Duplex, Multimode, OM3
SC/SC UPC Simplex Multi Mode OM3	PL-PC22SM3Uxx	SC/SC UPC Simplex, Multimode, OM3
SC/SC UPC Duplex Multi Mode OM4	PL-PC22DM4Uxx	SC/SC UPC Duplex, Multimode, OM4
SC/SC UPC Simplex Multi Mode OM4	PL-PC22SM4Uxx	SC/SC UPC Simplex, Multimode, OM4

STANDARD LENGTHS & IDENTIFICATION

Standard Lengths	1 m, 1.5 m, 3 m, 5 m, 10 m, 20 m, 50 m; other lengths on request
OS2 UPC	Blue connector identification; typically yellow cable jacket
OS2 APC	Green connector identification; typically yellow cable jacket
OM2	Multimode UPC; project color identification as specified
OM3	Aqua identification
OM4	Magenta / violet identification
Polishing	UPC (or PC where specified) and APC for single-mode; UPC for multimode

NOTES

- SC/UPC-SC/APC mixed-polish assemblies may be supplied on request but are not part of the standard part-number table above.
- Optical performance values shown are product targets and should be supported by factory production test records when required by the project.
- Product appearance, jacket color and marking may vary according to fiber class and project specification without changing the stated optical performance.