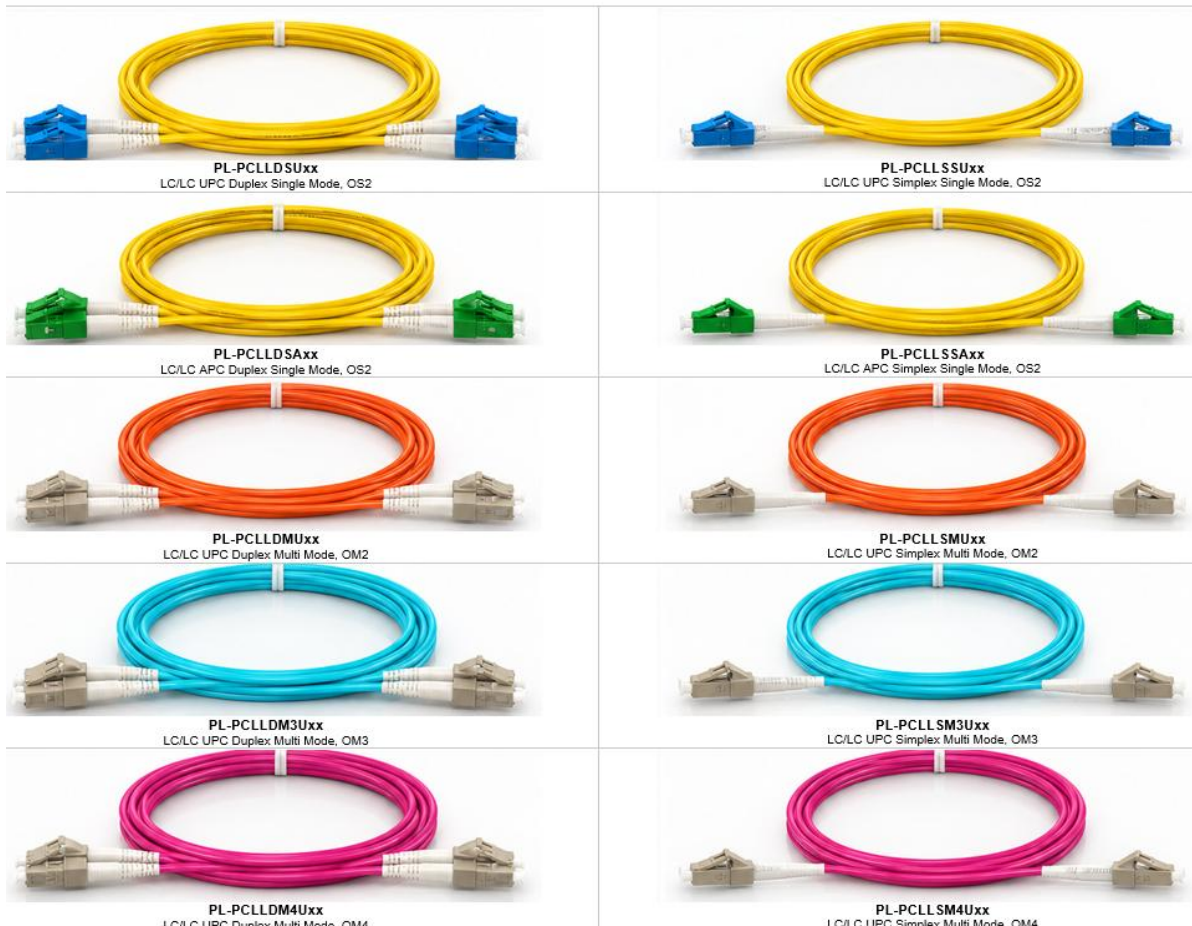


FEATURES

- LC-LC patch cord family for single-mode and multimode networks.
- Compact LC interface for high-density installations.
- Low insertion loss, high return loss and zirconia ceramic ferrules.
- Simplex and Duplex constructions; 2.0 mm or 3.0 mm cable options.
- UPC and APC polishing options for single-mode versions.
- Factory-terminated and optically tested assemblies.

APPLICATIONS

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



TECHNICAL SPECIFICATIONS

Parameter	Single-mode UPC / PC	Single-mode APC	Multimode UPC
Insertion Loss	≤ 0.20 dB	≤ 0.30 dB	≤ 0.20 dB
Return Loss	≥ 50 dB	≥ 60 dB	≥ 30 dB
Operating Wavelength	1310 / 1550 nm	1310 / 1550 nm	850 / 1300 nm
Interchangeability	$\Delta IL \leq 0.20$ dB	$\Delta IL \leq 0.20$ dB	$\Delta IL \leq 0.20$ dB
Vibration	$\Delta IL \leq 0.20$ dB	$\Delta IL \leq 0.20$ dB	$\Delta IL \leq 0.20$ 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 & REFERENCE STANDARDS

Interface / Standard	LC to LC; IEC 61754-20, Type LC connector family
Ferrule	Precision zirconia ceramic, 1.25 mm nominal
Construction / Diameter	Simplex (SP/SX) or Duplex (DP/DX); 2.0 mm or 3.0 mm cable
Fiber Classes / Geometry	OS2: 9/125 μ m; OM2 / OM3 / OM4: 50/125 μ m
Fiber Reference	OS2: ITU-T G.652.D; multimode classes per IEC 60793-2-10
Test / Jacket	IEC 61300 series, as applicable; LSZH option available; other jackets on request

ORDERING INFORMATION - LC-LC SERIES

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

Series / Configuration	Part Number	Description
LC/LC UPC Duplex Single Mode	PL-PCLLD<u>S</u>Uxx	LC/LC UPC Duplex, Single Mode, OS2
LC/LC UPC Simplex Single Mode	PL-PCLLD<u>S</u>SUxx	LC/LC UPC Simplex, Single Mode, OS2
LC/LC APC Duplex Single Mode	PL-PCLLD<u>S</u>Axx	LC/LC APC Duplex, Single Mode, OS2
LC/LC APC Simplex Single Mode	PL-PCLLD<u>S</u>SAxx	LC/LC APC Simplex, Single Mode, OS2
LC/LC UPC Duplex Multi Mode OM2	PL-PCLLD<u>M</u>Uxx	LC/LC UPC Duplex, Multimode, OM2
LC/LC UPC Simplex Multi Mode OM2	PL-PCLLD<u>M</u>SUxx	LC/LC UPC Simplex, Multimode, OM2
LC/LC UPC Duplex Multi Mode OM3	PL-PCLLD<u>M</u>3Uxx	LC/LC UPC Duplex, Multimode, OM3
LC/LC UPC Simplex Multi Mode OM3	PL-PCLLD<u>M</u>3SUxx	LC/LC UPC Simplex, Multimode, OM3
LC/LC UPC Duplex Multi Mode OM4	PL-PCLLD<u>M</u>4Uxx	LC/LC UPC Duplex, Multimode, OM4
LC/LC UPC Simplex Multi Mode OM4	PL-PCLLD<u>M</u>4SUxx	LC/LC 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	Grey / multimode UPC identification; project color may vary
OM3	Aqua identification
OM4	Magenta / violet identification
Polishing	UPC (or PC where specified) and APC for single-mode; UPC for multimode

NOTES

- LC/UPC-LC/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.