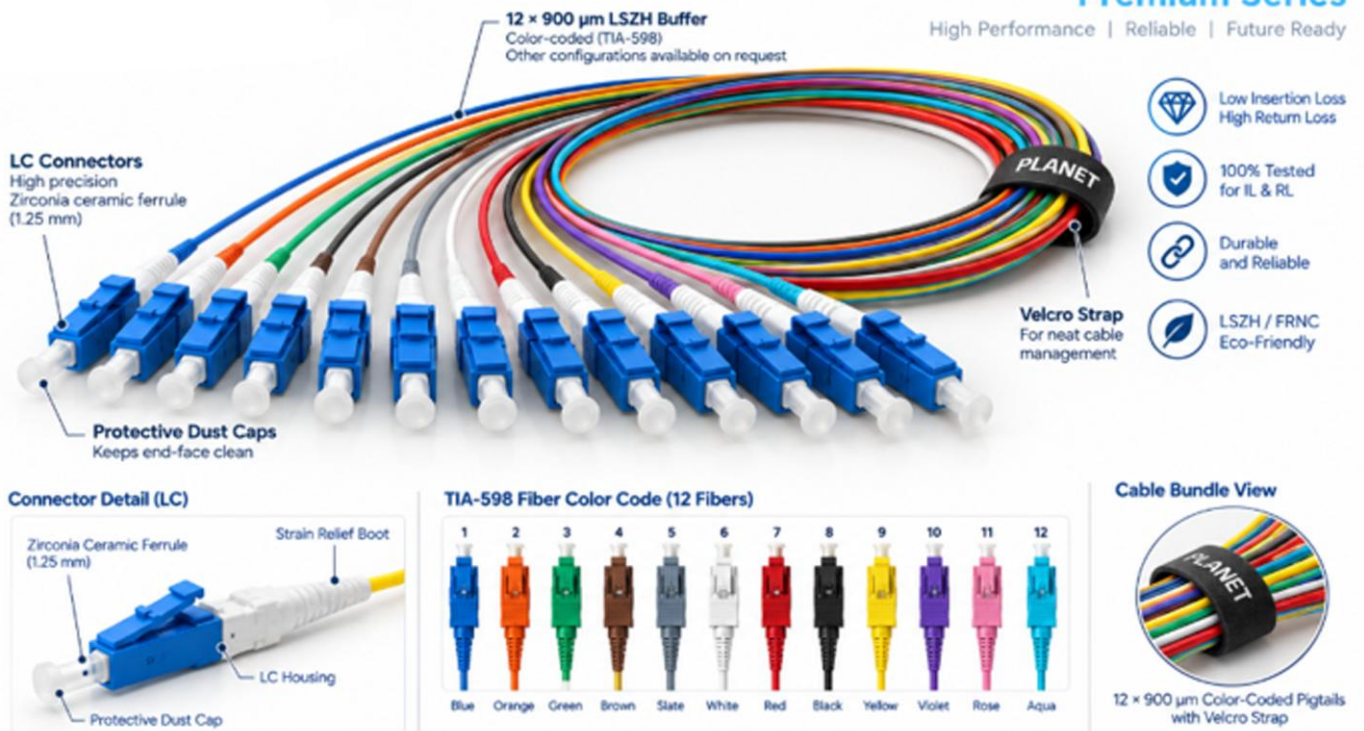


CATEGORY	CONNECTOR FAMILY	CONFIGURATION
12-Fiber Pigtail Bundle	LC / UPC / APC	12 × 900 µm LSZH / FRNC

PLANET LC 12-Fiber Color-Coded Pigtail Bundles provide twelve individually identified 900 µm pigtails for rapid splicing and organized fiber management in ODFs, splice trays and high-density distribution systems. Each bundle follows a 12-color identification sequence while maintaining the premium optical performance of the PLANET LC pigtail family.

LC 12-Fiber Color-Coded Pigtail Bundle Premium Series

High Performance | Reliable | Future Ready



KEY FEATURES

- 12 individually color-coded 900 µm pigtails in one bundle
- Premium low-loss LC/UPC and LC/APC terminations
- OS2 G.657.A1 bend-insensitive fiber, compatible with G.652.D
- Precision 1.25 mm zirconia ceramic ferrule on every connector
- TIA-598 color sequence for fast fiber identification
- 100% factory-tested for insertion loss and return loss
- OM2, OM3 and OM4 bundle versions; OM5 on request

APPLICATIONS

- Optical distribution frames (ODF)
- Splice trays and fiber enclosures
- FTTH / FTTx distribution
- Data-center and enterprise fiber panels
- Telecom rooms and backbone termination
- High-density fusion-splice installations

Parameter	Single-mode UPC	Single-mode APC	Multimode UPC
Fiber category	OS2 - G.657.A1 / G.652.D	OS2 - G.657.A1 / G.652.D	OM2 / OM3 / OM4
Bundle configuration	12 individually color-coded pigtails	12 individually color-coded pigtails	12 individually color-coded pigtails
Connector interface	LC/UPC	LC/APC	LC/UPC
Ferrule	1.25 mm zirconia ceramic	1.25 mm zirconia ceramic	1.25 mm zirconia ceramic
Insertion Loss, max.	≤ 0.20 dB	≤ 0.25 dB	≤ 0.20 dB
Return Loss, min.	≥ 50 dB	≥ 60 dB	≥ 40 dB
Interchangeability	≤ 0.20 dB change	≤ 0.20 dB change	≤ 0.20 dB change
Vibration	≤ 0.20 dB change	≤ 0.20 dB change	≤ 0.20 dB change
Durability	1000 mating cycles; ΔIL ≤ 0.20 dB	1000 mating cycles; ΔIL ≤ 0.20 dB	1000 mating cycles; ΔIL ≤ 0.20 dB
Buffer diameter	900 μm nominal	900 μm nominal	900 μm nominal
Buffer material	LSZH / FRNC	LSZH / FRNC	LSZH / FRNC
Operating temperature	-40°C to +75°C	-40°C to +75°C	-40°C to +75°C
Storage temperature	-45°C to +85°C	-45°C to +85°C	-45°C to +85°C
Min. bend radius	20 mm installation / 10 mm operation	20 mm installation / 10 mm operation	20 mm installation / 10 mm operation
Standard length	1.5 m; other lengths on request	1.5 m; other lengths on request	1.5 m; other lengths on request

CONSTRUCTION, STANDARDS & QUALITY

Construction

- LC small-form-factor connector body
- Precision 1.25 mm zirconia ceramic ferrule
- 900 μm tight-buffered optical fiber
- 12 individual 900 μm pigtails in a TIA-598 color sequence
- LSZH / FRNC low-smoke, halogen-free buffer material
- Dust cap fitted to each terminated LC connector

Reference Standards

- IEC 61754-20 - Type LC connector family interface
- IEC 61755-1 - Single-mode connector optical interfaces
- IEC 61300 series - Fiber optic interconnecting-device test procedures
- ITU-T G.657.A1 / G.652.D - OS2 single-mode fiber
- TIA-598 / IEC 60304 - Color coding for fiber identification where applicable

Quality control: 100% insertion-loss and return-loss testing is required for finished pigtails. Connector end faces shall be clean and free from defects affecting optical performance before packing.

12-FIBER COLOR IDENTIFICATION

Fiber No.	Buffer Color	Fiber No.	Buffer Color
1	Blue	7	Red
2	Orange	8	Black
3	Green	9	Yellow
4	Brown	10	Violet
5	Slate (Gray)	11	Rose
6	White	12	Aqua

Bundle identification note: The color sequence identifies each 900 µm pigtail within the 12-fiber bundle. Connector housing color remains based on fiber type and polish; for example, OS2 LC/UPC uses blue connector identification and OS2 LC/APC uses green connector identification even though the individual buffers are twelve different colors.

ORDERING INFORMATION - 12-FIBER LC BUNDLE

Part Number	Description
PL-PS2LC12B15	LC/UPC Single Mode OS2, 12-Fiber Color-Coded Bundle, 900 µm, 1.5 m
PL-PS2LC12BA15	LC/APC Single Mode OS2, 12-Fiber Color-Coded Bundle, 900 µm, 1.5 m
PL-PM2LC12B15	LC/UPC Multimode OM2, 12-Fiber Color-Coded Bundle, 900 µm, 1.5 m
PL-PM3LC12B15	LC/UPC Multimode OM3, 12-Fiber Color-Coded Bundle, 900 µm, 1.5 m
PL-PM4LC12B15	LC/UPC Multimode OM4, 12-Fiber Color-Coded Bundle, 900 µm, 1.5 m

Options: Other lengths, OM5 bundles and project-specific packaging can be supplied subject to project approval. OFNR or other project-specific flame-rating constructions shall only be stated when supported by the relevant factory compliance documentation.

25-Year System Warranty

Subject to proper installation and certified components usage.