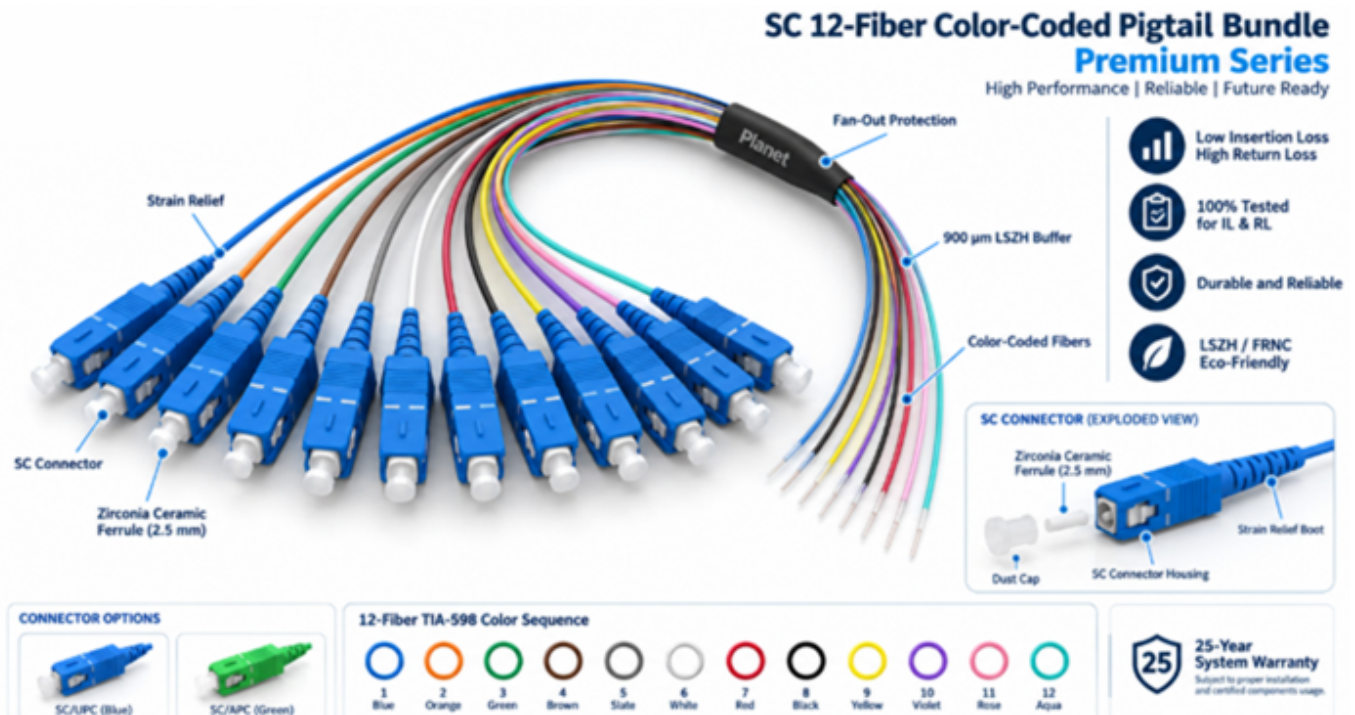


CATEGORY	CONNECTOR FAMILY	CONFIGURATION
12-Fiber Pigtail Bundle	SC / UPC / APC	12 × 900 µm LSZH / FRNC

PLANET SC 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 SC pigtail family.



KEY FEATURES

- 12 individually color-coded 900 µm pigtails in one bundle
- Premium low-loss SC/UPC and SC/APC terminations
- OS2 G.657.A1 bend-insensitive fiber, compatible with G.652.D
- Precision 2.5 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	SC/UPC	SC/APC	SC/UPC
Ferrule	2.5 mm zirconia ceramic	2.5 mm zirconia ceramic	2.5 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; Δ IL ≤ 0.20 dB	1000 mating cycles; Δ IL ≤ 0.20 dB	1000 mating cycles; Δ IL ≤ 0.20 dB
Buffer diameter	900 μ m nominal	900 μ m nominal	900 μ m 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 • SC push-pull connector body • Precision 2.5 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 SC connector	Reference Standards • IEC 61754-4 - Type SC 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
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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 SC/UPC uses blue connector identification and OS2 SC/APC uses green connector identification even though the individual buffers are twelve different colors.

ORDERING INFORMATION - 12-FIBER SC BUNDLE

Part Number	Description
PL-PS2SC12B15	SC/UPC Single Mode OS2, 12-Fiber Color-Coded Bundle, 900 µm, 1.5 m
PL-PS2SC12BA15	SC/APC Single Mode OS2, 12-Fiber Color-Coded Bundle, 900 µm, 1.5 m
PL-PM2SC12B15	SC/UPC Multimode OM2, 12-Fiber Color-Coded Bundle, 900 µm, 1.5 m
PL-PM3SC12B15	SC/UPC Multimode OM3, 12-Fiber Color-Coded Bundle, 900 µm, 1.5 m
PL-PM4SC12B15	SC/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.