LEVITON ®
Network Solutions
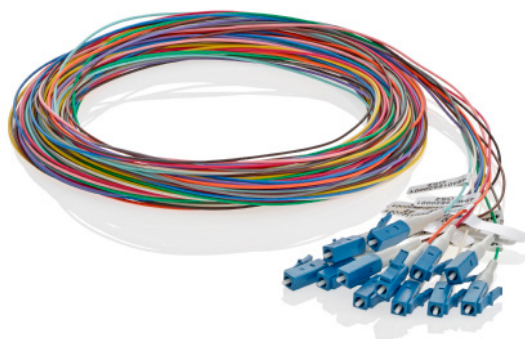
Premium Plus Fiber Pigtails and Pigtail Kits

Premium Plus Fiber Pigtails and Pigtail Kits

APPLICATION

Premium Plus Fiber Optic Pigtails and Pigtail Kits are ideal for fusion splicing the required fiber connectivity in data centers, Broadband CATV, Passive Optical Network PON, WDM or DWDM multiplexing, FTTh and voice services in ATM and SONET metropolitan and access networks. Quick turn service is available with orders of up to 100 pigtails or 20 pigtail kits, and ships within three business days. Contact customer service for details.

SPECIFICATION

Multimode and single-mode pigtails shall be manufactured in the USA. Insertion loss shall be a maximum of 0.25 dB for multimode and single-mode. Multimode return loss shall be greater than 26 dB and greater than 50 dB for single-mode connectors. Single-mode angle polished connectors (APC) shall have a minimum of 60 dB return loss. Pigtails shall have a pull force of 5 N ± 0.5 (1.12 lb.) per IEC 61300-2-44. Connector durability of greater than 500 matings for both multimode and single-mode. Pigtails or kits of pigtails shall be individually packaged with part numbers, descriptions, optical performance, code 39 barcode part number printed on each package and QR code to access supporting documentation. Individual pigtails shall have flag labels including fiber type and serial number providing traceability to factory collected test data.

COUNTRY OF ORIGIN

USA

FEATURES

- Available LC, LC/APC, SC, SC/APC, ST, FC and FC/APC connector options
- Pigtails kits of 6, 8, 12 or 16 following TIA color sequence
- TIA color-coded LC and SC connectors with white 900-micron boots
- Fiber options: OS2, OM1, OM3, and OM4 and OM5
- 100% tested for insertion loss and single mode return loss
- Premium Plus Series cords include a Limited Lifetime Warranty when used with other Leviton cabling and installed by a Leviton certified contractor
- Quick-turn service for fast delivery
- Custom configurations via Leviton.com/configurator

DESIGN CONSIDERATIONS

- All connectors have precision pre-radiused or pre-angled zirconia ferrules for consistent End Face Geometry (EFG)
- Single mode UPC and APC polish
- FC and ST connectors have metal bodies
- Duplex clips included with duplex configurations
- Bend-insensitive glass (OS2, OM3, OM4 and OM5)

STANDARDS & REGULATIONS

- ANSI/TIA-568.3-D
- ISO/IEC 11801-1
- ANSI/TIA-598-D

Fiber Optic Connector Intermatability Standards (FOCIS)
- TIA -604-10B (LC)
- TIA -604-3B (SC)
- TIA -604-2B (ST)
- TIA -604-4B (FC)
- End face geometry: IEC 61755-3-1 (UPC/PC), IEC 61755-3-2 (APC)

Fiber compliance:
- OS2: IEC 60793-2-50, TIA 492CAAC, ITU-T G.657.A1
- OM1: IEC 60793-2-10, TIA 492AAAF
- OM3: IEC 60793-2-10, TIA 492AAAF, ITU-T G.651.1
- OM4: IEC 60793-2-10, TIA 492AAAF, ITU-T G.651.1
- OM5: IEC 60793-2-10, TIA 492AAAF, ITU-T G.651.1
- RoHS

WARRANTY INFORMATION

For Leviton product warranties, go to leviton.com/ns/warranty

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PRODUCT SPECIFICATIONS
Premium Plus Fiber Pigtails and Pigtail Kits

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OPTICAL SPECIFICATIONS

Insertion Loss	
Multimode	0.15 dB typical, 0.25 dB max
Single mode	0.12 dB typical, 0.25 dB max
Return Loss	
Multimode	≥ 26 dB
Single mode	≥ 50 dB UPC, ≥ 60 dB APC

PHYSICAL SPECIFICATIONS

Connector Durability	> 500 Matings
Connector Cable Retention	5 N ± 0.5 (1.12 lb.)
Temperature Range	
Storage:	-40 ºC to 75 ºC
Operational:	-20 ºC to 70 ºC

Make to order!		PREMIUM PLUS FIBER PIGTAILS AND PIGTAIL KITS					
Assembly Type	**Fiber Type**	**Cable Rating**	**Cable Type**	**Connector (1st end)**	**Kits or Singles**	**Colors in tia Order**	**Length****
• Premium Plus Pigtail Single (PSF) • Premium Plus Pigrail Kit (PKF)	• 8.2 /125um SM OS2 (S2) • 62.5/125 µm MM OM1(MI) • 50/125 µm LO (10G-300m) MM OM3 (M3) • 50/125 µm LO (10G-550m) MM OM4 (M4) • 50/125 µm WBMMF OM5 (M5)	• PVC (No Rating) (N)	• 900-micron tight buffer (9)	• ST (A) • SC (Q) • SC/APC (E) • LC (R) • LC/APC (F) • FC (D) • FC/APC (G)	• Singles* (01) • 12 pack of color selected * (00) • 6 pack of TIA Colors 1-6 (06) • 8 pack of TIA Colors 1-8 (08) • 12 pack of TIA Colors 1-12 (12) • 16 pack of TIA Colors 1-16 (16)	• Blue (01) • Orange (02) • Green (03) • Brown (04) • Slate (05) • White (Default for Singles) (06*) • Red (07) • Black (08) • Yellow (09) • Violet (10) • Rose (11) • Aqua (12) • Olive (13) • Magenta (14) • Tan (15) • Lime (16)	• 1 METER (01) • 2 METERS (02) • 3 METERS (03)

*Note on colors: The standard color is white for OS2, OM1, OM3, and OM4 singles and pack of 12 singles. The standard color is lime for OM5 singles and pack of 12 singles. Other colors are available with longer lead times.

**Note on length: Pigtails and Pigtail Kits > 3 meters in length are available upon request.

Make to order!
leviton.com/configurator

For further support information, visit leviton.com/ns/support

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