LEVITON ®
Network Solutions

Fiber Pigtails and Pigtail Kits

APPLICATION

Standard and low loss Fiber Optic Pigtails and Pigtail Kits are ideal for fusion splicing the required fiber connectivity for structured cabling systems. They are ideal for data centers, Broadband CATV, Passive Optical Network PON, WDM or DWDM multiplexing, FTTh, and voice services in ATM and SONET metropolitan and access networks. Common pigtails and pigtail kits are stocked, while non-standard connector types and lengths are Make-to-Order. Contact customer service for details.

SPECIFICATION

Multimode and single-mode pigtails and pigtail kits shall be compliant with ANSI/TIA-568.3-D. Standard insertion loss shall be a maximum of 0.25 dB for multimode and single-mode. Low loss shall be a maximum of 0.15 dB for multimode and single-mode connectors. 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 and pigtail kits shall be available with 900-micron easy strip LSZH coating and 250-micron coated fiber. 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.

FEATURES

- LC, LC/APC, SC, SC/APC, ST, FC, and FC/APC connector options
- Pigtails kits of 6, 8, 12 pigtails follow TIA color sequence
- Nonstandard color pigtails available in packs of 12
- TIA color-coded LC and SC connectors with white 900-micron boots
- Fiber options: OS2, OM1, OM3, OM4, and OM5
- OM5 available only with LC connectors
- 100% tested for insertion loss, and single-mode return loss
- Pigtails include a Limited Lifetime Warranty when used with other Leviton cabling and installed by a Leviton certified contractor
- Ship from Stock or Make-to-Order
- Custom configurations via Levitonemea.com/mto

DESIGN CONSIDERATIONS

- 900-micron coating is easy to strip and LSZH rated
- All connectors have precision pre-radiused or pre-angled zirconia ferrules supporting consistent End Face Geometry (EFG)
- Single-mode UPC and APC polish
- FC and ST connectors have metal bodies
- 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, ITU-T G.657.A1
  - OM1: IEC 60793-2-10
  - OM3: IEC 60793-2-10, ITU-T G.651.1
  - OM4: IEC 60793-2-10, ITU-T G.651.1
  - OM5: IEC 60793-2-10, ITU-T G.651.1
- Jacket flame rating:
  - LSZH / HFFR-LS

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WARRANTY INFORMATION

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

PHYSICAL SPECIFICATIONS

Connector Durability:	> 500 Matings
Connector Cable Retention:	5 N ± 0.5
Storage:	-40 C to +75 C
Operational:	-20 C to +70 C

OPTICAL SPECIFICATIONS			
	Insertion Loss: Standard Performance	Insertion Loss: Low Loss	Return Loss
Single-Mode	≤ 0.25 dB	≤ 0.15 dB	UPC: ≥ 50 dB, APC: ≥ 60 dB
Multimode	≤ 0.25 dB	≤ 0.15 dB	≥ 26 dB

MAKE-TO-ORDER!		FIBER PIGTAILS AND PIGTAIL KITS				
AAA-	BB	C	DD	EE	FF	-GG
Product Type	Fiber Type	Fiber Coating	Connector	Kit or Singles	Colors*	Length
• VPK = Standard Loss Pigtail Kit • VPS = Standard Single Pigtail • LPK = Pigtail Kit Low Loss • LPS = Single Pigtail Low Loss	• S2 = OS2 SINGLE MODE • M1 = OM1 MULTIMODE • M3 = OM3 MULTIMODE • M4 = OM4 MULTIMODE • M5 = OM5 MULTIMODE	• 9 = 900 MICRON LSZH • 2 = 250 MICRON	• LC = LC/UPC • L9 = LC/9APC • AL = LC/APC • SC = SC/UPC • AC = SC/APC • C9 = SC/9APC • ST = ST/UPC • FC = FC/UPC • AF = FC/APC	• 01 = Single Pigtail Default Fiber Color • 06 = TIA Colors 1-6 • 08 = TIA Colors 1-8 • 12 = TIA Colors 1-12 • 00 = Kit of 12 of Color Selected	• 00 = Default • 01 = Blue • 02 = Orange • 03 = Green • 04 = Brown • 06 = Slate • 06 = White • 07 = Red • 08 = Black • 09 = Yellow • 10 = Violet • 11 = Rose • 12 = Aqua	• 01 = 1 M • 02 = 2 M • 03 = 3 M • 04 = 4 M • 05 = 5 M • 06 = 6 M • 07 = 7 M • 08 = 8 M • 09 = 9 M • 10 = 10 M

For assistance customizing your fiber pigtails, please visit levitonemea.com/mto or call Tech Support +44 (0) 1592 778494.

Note:

* Colors for 900 micron single pigtail coating: OS2 = Yellow, OM1 = Orange, OM3 = Aqua, OM4 = Heather Violet, OM5 = Lime

Fiber Pigtails and Pigtail Kits

Product Examples:

Part Number	Fiber Type	Type	Connectors	Colors(s)	Length (Meters)
VPS-S29LC0100-01	SM OS2	900 µm Single	LC	Yellow	1.0
VPS-S29SC0100-01	SM OS2	900 µm Single	SC	Yellow	1.0
VPS-S29AL0100-01	SM OS2	900 µm Single	LC/APC	Yellow	1.0
VPS-S29AC0100-01	SM OS2	900 µm Single	SC/APC	Yellow	1.0
VPK-S29LC1200-01	SM OS2	900 µm Kit	LC KIT	TIA colors 1 - 12	1.0
VPS-M49LC0100-01	MM OM4	900 µm Single	LC	Heather Violet	1.0
VPS-M49SC0100-01	MM OM4	900 µm Single	SC	Heather Violet	1.0
VPK-M49LC1200-01	MM OM4	900 µm Kit	LC KIT	TIA colors 1 - 12	1.0
VPS-M39LC0100-01	MM OM3	900 µm Single	LC	Aqua	1.0
VPS-M39SC0100-01	MM OM3	900 µm Single	SC	Aqua	1.0
VPS-M39ST0100-01	MM OM3	900 µm Single	ST	Aqua	1.0
VPK-M39LC1200-01	MM OM3	900 µm Kit	LC KIT	TIA colors 1 - 12	1.0
VPS-M19ST0100-01	MM OM1	900 um Single	ST	Beige	1.0
VPS-S29ST0100-01	SM OS2	900 um Single	ST	Blue	1.0
VPS-M59LC0100-01	MM OM5	900 um Single	LC	Lime	1.0

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

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