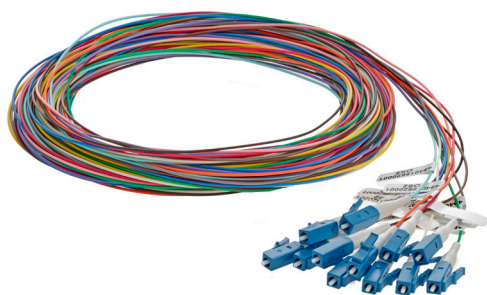


Fiber Pigtail Kits

APPLICATION

Standard and low loss Fiber Optic Pigtail Kits are ideal for fusion splicing the fiber connectivity required for structured cabling systems. Typical applications include 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 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 pigtail kits shall be compliant with ANSI/TIA-568.3-E. Standard insertion loss shall be a maximum of 0.25 dB and 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 single-mode shall be greater than 50 dB. Single-mode angle polished connectors (APC) shall have a minimum of 60 dB return loss. Pigtails shall have a pull force of $5\text{ N} \pm 0.5$ (1.12 lb.) per IEC 61300-2-44. Connector durability shall be of greater than 500 matings for both multimode and single-mode. Pigtail kits shall be available with 900-micron tight buffer LSZH coating and 250-micron coated fiber. Pigtail kits shall be individually packaged with part numbers, descriptions, optical performance, and code 39 barcodes. Additionally, QR codes shall be provided to access supporting documentation. Each pigtail shall have a flag label with 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 available in TIA color sequence, or single colors
- Pigtails are packed in 100% recyclable materials
- LC and SC connectors are TIA color coded, 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

DESIGN CONSIDERATIONS

- 900-micron pigtills are tight buffer, 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)
- Smart, sustainable packaging

STANDARDS & REGULATIONS

- ANSI/TIA-568.3-E
- ISO/IEC 11801-1
- ANSI/TIA-598-D
- Fiber Optic Connector Interchangeability Standards (FOCIS)
 - TIA-604-10C (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

PRODUCT SPECIFICATIONS

Fiber Pigtail Kits

Fiber Pigtail Kits

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
Temperature (Storage):	-40 °C to +75 °C
Temperature (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 PIGTAIL KITS

AAA-	BB	C	DD	EE	FF	-GG
Product Type	Fiber Type	Fiber Coating	Connector	Kit	Colors*	Length
<ul style="list-style-type: none"> VPK = Standard Loss Pigtail Kit LPK = Pigtail Kit Low Loss 	<ul style="list-style-type: none"> S2 = OS2 SINGLE MODE M1 = OM1 MULTIMODE M3 = OM3 MULTIMODE M4 = OM4 MULTIMODE M5 = OM5 MULTIMODE 	<ul style="list-style-type: none"> 2 = 250 MICRON T = 900 MICRON LSZH (Tight Buffer) 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 12 = TIA Colors 1-12 00 = Kit of 12 of Color Selected 	<ul style="list-style-type: none"> 00 = Default 01 = Blue 02 = Orange 03 = Green 04 = Brown 05 = Slate 06 = White 07 = Red 08 = Black 09 = Yellow 10 = Violet 11 = Rose 12 = Aqua 	<ul style="list-style-type: none"> 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:

* Default pigtail colors: OS2 = Yellow, OM1 = Orange, OM3 = Aqua, OM4 = Heather Violet, OM5 = Lime

Product Examples:

PART NUMBER	FIBER	TYPE	CONNECTORS	COLORS(S)	LENGTH (METERS)
VPK-S2TLC1200-01	SM OS2	900 µm Kit	LC KIT	TIA colors 1 - 12	1.0
VPK-M4TLC1200-01	MM OM4	900 µm Kit	LC KIT	TIA colors 1 - 12	1.0
VPK-M3TLC1200-01	MM OM3	900 µm Kit	LC KIT	TIA colors 1 - 12	1.0
VPK-M5TLC1200-01	MM OM5	900 µm Kit	LC KIT	TIA colors 1 - 12	1.0

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