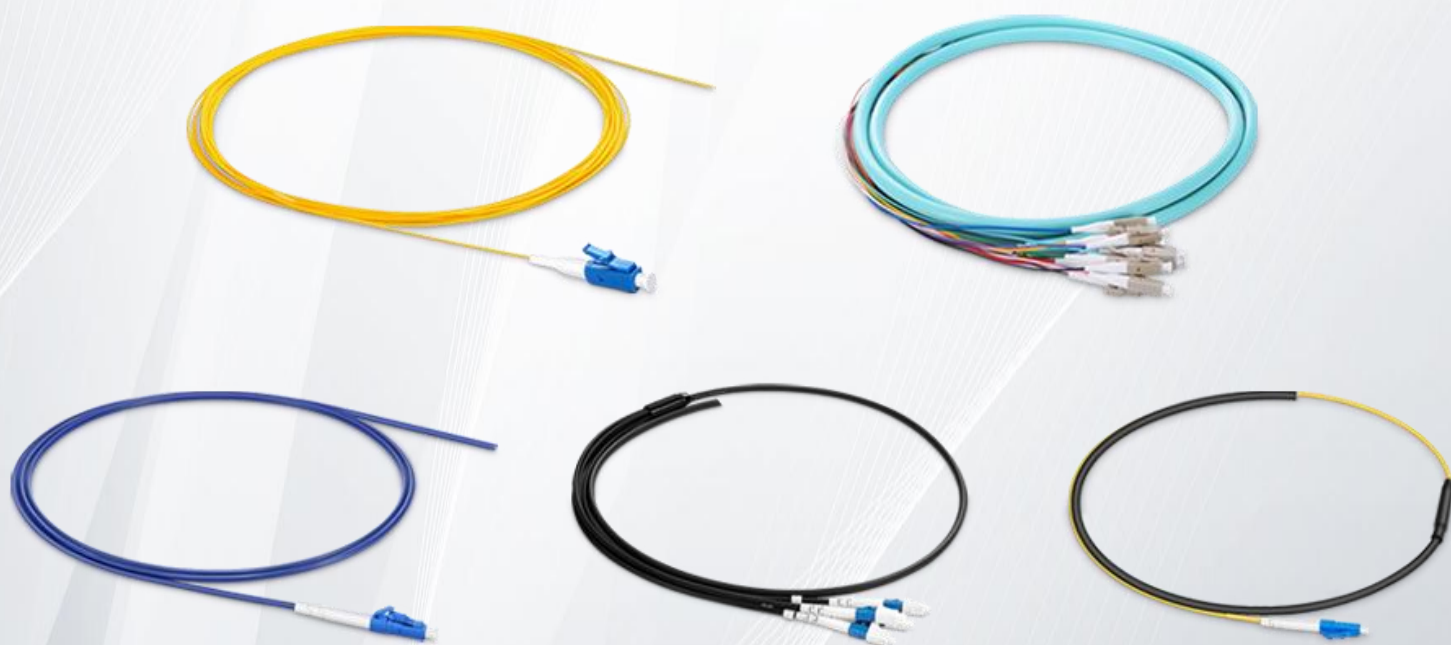


Fiber Pigtails

Ideal for CATV, FTTH/FTTX, telecommunication networks, data processing networks, LAN/WAN networks



Fiber Pigtails

The fiber pigtails are designed to support fusion and mechanical splicing for fiber cabling systems. They are available separately or in kits for ease of installation and ordering. Simplex or multifiber pigtails are available. We also provide a full set of customized services, such as fiber counts, length, connector, fiber grade, cable types and cable diameter etc. Fiber pigtails provide a fast way to make communication devices in the field.

Features

- Tight buffer for easy fusion or mechanical splicing
- Available in OS2/OM4/OM3/OM2/OM1
- Available in LC/SC/ST/FC/LSH connector
- Available in UPC/APC polish type
- Available in simplex/multifiber/armored/industrial armored/indoor/outdoor pigtail type
- Available in 4/6/8/12/24/48/96 fiber counts with bunch/color-coded/ribbon cable type
- Available in PVC (Unrated)/Riser (OFNR)/Riser (OFNR)/LSZH/Plenum (OFNP) cable jacket
- Tested for insertion loss, return loss and end face

Standards Compliance

Component	Governing Body	Standard Code
Cable	IEC, YD/T	60794-2-10, 1258.2
Connectors	IEC	61300-3-35, 61754-4, 61754-15
Single Mode Fiber	IEC	60793-2-50
Multimode Fiber	IEC	60793-2-10
Fiber and Connectors	RoHS	2011/65/EU

Performance Characteristics

Standard Pigtails				
	Simplex		Multifiber	
Connector Type	LC/SC/ST/FC/LSH			
Cable Type	Tight-Buffered	Bunch	Ribbon	Color-coded
Fiber Count	1 Fiber		SMF: 4/6/8/12/24/48/96 Fibers MMF: 4/6/8/12/24 Fibers	
Fiber Grade	OS2: G.657.A1/G.657.A2 OM4/OM3/OM2: Bend Insensitive OM1: G.651		OS2: G.657.A1 OM4/OM3/OM2: Bend Insensitive OM1: G.651	
Polish Type	SMF: UPC/APC MMF: UPC			
Fiber Mode	OS2/OM4/OM3/OM2/OM1			
Wavelength	SMF: 1310/1550 nm MMF: 850/1300nm			
Jacket Color	OS2: Yellow OM4/OM3: Aqua OM2/OM1: Orange			
Cable Outside Diameter (OD)	0.9/2.0mm	0.9/2.0mm	0.9mm	0.9mm
Cable Jacket	0.9mm: PVC (Unrated)/LSZH 2.0mm: Plenum (OFNP)/LSZH/Riser (OFNR)			
Min. Bend Radius (Optical Fiber)	OS2: 10/7.5mm OM4/OM3/OM2: 7.5mm OM1: 15mm		OS2: 10mm OM4/OM3/OM2: 7.5mm OM1: 15mm	
Min. Bend Radius (Fiber Cable)	SMF: 10/5D (Dynamic/Static) MMF: 20/10D (Dynamic/Static)			
Connector Durability	1000 times			
Standard	RoHS Compliant			
Attenuation	SMF: $\leq 0.36\text{dB/km}$ at 1310nm, $\leq 0.22\text{dB/km}$ at 1550nm MMF: $\leq 3.0\text{dB/km}$ at 850nm, $\leq 1.0\text{dB/km}$ at 1300nm			

	Simplex	Multifiber
Insertion Loss		≤0.3dB
Return Loss		SMF: UPC≥50dB, APC≥60dB (LC/SC/ST/FC) UPC≥55dB, APC≥75dB (LSH) MMF: ≥20dB
Vibration		≤0.2dB
Interchangeability		≤0.2dB
Operating Temperature		Plenum (OFNP): -10 to 60°C (14 to 140°F) PVC (Unrated)/Riser (OFNR)/LSZH: -10 to 70°C (14 to 158°F)
Storage Temperature		Plenum (OFNP): -10 to 70°C (14 to 158°F) PVC (Unrated)/Riser (OFNR)/LSZH: -20 to 70°C (-4 to 158°F)

Armored Pigtails		
	Simplex	Multifiber
Connector Type		LC/SC/ST/FC/LSH
Polish Type		UPC/APC
Fiber Count	1 Fiber	2/4/6/8/12/24/48 Fibers
Fiber Grade		G.657.A1
Fiber Mode		OS2
Wavelength		1310/1550nm
Jacket Color		Blue
Cable Type		Tight-Buffered

	Simplex	Multifiber
Cable Outside Diameter (OD)	3.0mm	
Cable Jacket	Riser (OFCR)/LSZH	
Min. Bend Radius (Fiber Cable)	10/5D (Dynamic/Static)	
Compressive Strength	≥3000N/100mm	
Tensile Strength (Long/Short Term)	200/400N	
Attenuation	≤0.36dB/km at 1310nm, ≤0.22dB/km at 1550nm	
Insertion Loss	≤0.3dB	
Return Loss	UPC≥50dB, APC≥60dB (LC/SC/ST/FC) UPC≥55dB, APC≥75dB (LSH)	
Vibration	≤0.2dB	
Interchangeability	≤0.2dB	
Operating Temperature	-20 to 70°C (-4 to 158°F)	
Storage Temperature	-40 to 80°C (-40 to 176°F)	

Industrial Armored Pigtailed

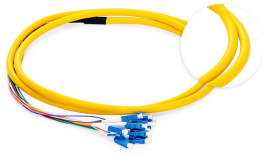
	Simplex	Multifiber
Connector Type	LC/SC/ST/FC/LSH	
Polish Type	UPC/APC	
Fiber Count	1 Fiber	2/4/6/8/12/24 Fibers

	Simplex	Multifiber
Fiber Grade	G.657.A2	
Fiber Mode	OS2	
Wavelength	1310/1550nm	
Jacket Color	Black	
Cable Type	Tight-Buffered	
Cable Outside Diameter (OD)	3.0mm	3.0mm (2-4 Fibers) 2.5mm (6-24 Fibers)
Cable Jacket	TPU (Thermoplastic Polyurethane)	
Min. Bend Radius (Fiber Cable)	20/10D (Dynamic/Static)	
Crush Resistance (Long/Short Term)	1000/3000N/100mm	
Tensile Strength (Long/Short Term)	200/400N	500/800N
Impact Resistance	200 Impacts	
Flex Resistance	2000 Cycles	
Attenuation	≤0.36dB/km at 1310nm, ≤0.22dB/km at 1550nm	
Insertion Loss	≤0.3dB	
Return Loss	UPC≥50dB, APC≥60dB	
Vibration	≤0.2dB	
Interchangeability	≤0.2dB	
Operating Temperature	-40to 80°C (-40 to 176°F)	
Storage Temperature	-40 to 80°C (-40 to 176°F)	

Indoor/Outdoor Pigtailes		
	Simplex	Multifiber
Connector Type	LC/SC/FC/ST	
Polish Type	UPC/APC	
Fiber Count	1 Fiber	2/4/6/8/12/24 Fibers
Fiber Grade	G.657.A1	
Fiber Mode	OS2	
Wavelength	1310/1550nm	
Jacket Color	Black	
Cable Type	Tight-Buffered	
Cable Outside Diameter (OD)	2.0mm	
Cable Jacket	LSZH	
Min. Bend Radius (Fiber Cable)	20/10D (Dynamic/Static)	
Tensile Strength (Long/Short Term)	240/480N	
Attenuation	≤0.36dB/km at 1310nm, ≤0.22dB/km at 1550nm	
Insertion Loss	≤0.3dB	
Return Loss	UPC≥50dB, APC≥60dB	
Vibration	≤0.2dB	
Interchangeability	≤0.2dB	
Operating Temperature	-20 to 70°C (-4 to 158°F)	
Storage Temperature	-40 to 70°C (-40 to 158°F)	

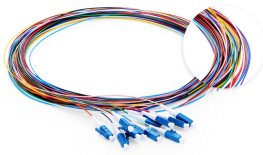
Cable Types Notes

The fiber pigtails with tight-buffered cable type are available. Tight-buffered construction protects the core by two-layer coating, providing superior environmental and mechanical protection. And multifiber pigtails with bunch/color-coded/ribbon cable type for you to choose to suit the need of different application.



Bunch

Precision alignment of fiber optical components, used in fiber distribution panels and interconnect modules.



Color-coded

Faster connector identification with color-coded pigtail, avoiding incorrect patching by possible fiber flipping.



Ribbon

Compact size, light weight and high efficiency, reducing the cost of field fusion splicing.

Standard Simplex Pigtails Options

Fiber Type	Connector	Fiber Grade	Cable Diameter	Cable Jacket
• OS2	• LC UPC	• G.657.A1	• 0.9mm	• PVC (Unrated)
• OM4	• SC UPC	• G.657.A2	• 2.0mm	• Riser (OFNR)
• OM3	• ST UPC	• Bend Insensitive		• LSZH
• OM1/2	• FC UPC	• G.651		• Plenum (OFNP)
	• LSH UPC			
	• LC APC			
	• SC APC			
	• FC APC			
	• ST APC			
	• LSH APC			

Standard Multifiber Pigtails Options

Fiber Type	Fiber Count	Connector	Cable Types	Fiber Grade	Cable Diameter	Cable Jacket
• OS2	• 4	• LC UPC	• Bunch	• G.657.A1	• 0.9mm	• PVC (Unrated)
• OM4	• 6	• SC UPC	• Color-coded	• Bend	• 2.0mm	• Riser (OFNR)
• OM3	• 8	• ST UPC	• Ribbon	Insensitive		• LSZH
• OM1/2	• 12	• FC UPC		• G.651		• Plenum (OFNP)
	• 24	• LSH UPC				
	• 48	• LC APC				
	• 96	• SC APC				
		• FC APC				
		• ST APC				
		• LSH APC				

Products Listing

Standard Simplex Pigtails

ID	Description
50013	Fiber Pigtail, LC UPC to Unterminated, Simplex, OS2, PVC (Unrated), 0.9mm, 1m (3ft)
42477	Fiber Pigtail, LC APC to Unterminated, Simplex, OS2, PVC (Unrated), 0.9mm, 1m (3ft)
42466	Fiber Pigtail, LC UPC to Unterminated, Simplex, OM3, PVC (Unrated), 0.9mm, 1m (3ft)
42485	Fiber Pigtail, SC UPC to Unterminated, Simplex, OS2, PVC (Unrated), 0.9mm, 1m (3ft)
42472	Fiber Pigtail, SC APC to Unterminated, Simplex, OS2, PVC (Unrated), 0.9mm, 1m (3ft)
42462	Fiber Pigtail, SC UPC to Unterminated, Simplex, OM3, PVC (Unrated), 0.9mm, 1m (3ft)
300338	Fiber Pigtail, ST UPC to Unterminated, Simplex, OS2, PVC (Unrated), 0.9mm, 2m (7ft)
300737	Fiber Pigtail, ST UPC to Unterminated, Simplex, OM3, PVC (Unrated), 0.9mm, 2m (7ft)
14152	Customized Simplex OS2 Single Mode LC/SC/FC/ST/LSH Fiber Optic Pigtail
61899	Customized Simplex OM4 Multimode LC/SC/FC/ST/LSH Fiber Optic Pigtail
12543	Customized Simplex OM3 Multimode LC/SC/FC/ST/LSH Fiber Optic Pigtail
12555	Customized Simplex OM1/OM2 LC/SC/FC/ST/LSH Fiber Optic Pigtail

Standard Multifiber Pigtails

ID	Description
42459	Fiber Pigtail, LC UPC to Unterminated, 12 Fibers, Unjacketed Color-Coded, OS2, PVC (Unrated), 0.9mm, 1m (3ft)
42417	Fiber Pigtail, LC APC to Unterminated, 12 Fibers, Unjacketed Color-Coded, OS2, PVC (Unrated), 0.9mm, 1m (3ft)
42458	Fiber Pigtail, SC UPC to Unterminated, 12 Fibers, Unjacketed Color-Coded, OS2, PVC (Unrated), 0.9mm, 1m (3ft)
42416	Fiber Pigtail, SC APC to Unterminated, 12 Fibers, Unjacketed Color-Coded, OS2, PVC (Unrated), 0.9mm, 1m (3ft)
42412	Fiber Pigtail, LC UPC to Unterminated, 12 Fibers, Bunch, OS2, PVC (Unrated), 0.9mm, 1.5m (5ft)
42312	Fiber Pigtail, LC APC to Unterminated, 12 Fibers, Bunch, OS2, PVC (Unrated), 0.9mm, 1.5m (5ft)

Products Listing

Standard Multifiber Pigtails

ID	Description
21263	Fiber Pigtail, LC UPC to Unterminated, 12 Fibers, Bunch, OM4, PVC (Unrated), 0.9mm, 1.5m (5ft)
42308	Fiber Pigtail, LC UPC to Unterminated, 12 Fibers, Bunch, OM3, PVC (Unrated), 0.9mm, 1.5m (5ft)
42410	Fiber Pigtail, SC UPC to Unterminated, 12 Fibers, Bunch, OS2, PVC (Unrated), 0.9mm, 1.5m (5ft)
42310	Fiber Pigtail, SC APC to Unterminated, 12 Fibers, Bunch, OS2, PVC (Unrated), 0.9mm, 1.5m (5ft)
21260	Customized 4-96 Fibers OS2 Single Mode LC/SC/FC/ST/LSH Fiber Optic Pigtail
21236	Customized 4-24 Fibers OM4 Multimode LC/SC/FC/ST/LSH Fiber Optic Pigtail
21239	Customized 4-24 Fibers OM3 Multimode LC/SC/FC/ST/LSH Fiber Optic Pigtail
21241	Customized 4-24 Fibers OM1/OM2 Multimode LC/SC/FC/ST/LSH Fiber Optic Pigtail

Armored Pigtails Options

Fiber Count	Connector	Cable Jacket
<ul style="list-style-type: none"> • Simplex • 2 • 4 • 6 • 8 • 12 • 24 • 48 	<ul style="list-style-type: none"> • LC UPC • SC UPC • ST UPC • FC UPC • LSH UPC • LC APC • SC APC • FC APC • ST APC • LSH APC 	<ul style="list-style-type: none"> • Riser (OFCR) • LSZH

Industrial Armored Pigtails Options

Fiber Count	Connector
<ul style="list-style-type: none"> • Simplex • 2 • 4 • 6 • 8 • 12 • 24 	<ul style="list-style-type: none"> • LC UPC • SC UPC • ST UPC • FC UPC • LSH UPC • LC APC • SC APC • FC APC • ST APC • LSH APC

Indoor/Outdoor Pigtails Options

Fiber Count	Connector
<ul style="list-style-type: none"> • Simplex • 2 • 4 • 6 • 8 • 12 • 24 	<ul style="list-style-type: none"> • LC UPC • SC UPC • ST UPC • FC UPC • LC APC • SC APC • FC APC • ST APC

Products Listing

Armored Pigtails

ID	Description
14262	Customized Simplex OS2 Single Mode LC/SC/FC/ST/LSH Armored 3.0mm Fiber Optic Pigtail
181801	Customized 2-48 Fibers OS2 Single Mode LC/SC/FC/ST/LSH Armored 3.0mm Fiber Optic Pigtail

Industrial Armored Pigtails

ID	Description
181802	Customized Simplex OS2 Single Mode LC/SC/FC/ST/LSH Industrial Armored Fiber Optic Pigtail
181803	Customized 2-24 Fibers OS2 Single Mode LC/SC/FC/ST/LSH Industrial Armored Fiber Optic Pigtail

Indoor/Outdoor Pigtails

ID	Description
181799	Customized Indoor/Outdoor Simplex OS2 Single Mode LC/SC/FC/ST Fiber Optic Pigtail
181800	Customized Indoor/Outdoor 2-24 Fibers OS2 Single Mode LC/SC/FC/ST Fiber Optic Pigtail