

MT-RJ Connectors

MT-RJ Plugs

Product Facts

- Designed to meet TIA/EIA 568-B.3
- Each MT-RJ Connector houses two fibers
- Half the size of duplex SC and ST Connectors
- Options available include:
 - Multimode or singlemode
 - Mini DUALAN or Mini Zipcord cable
 - With or without guide pins
- SECURE Connector Kits

Performance Characteristics

Insertion Loss — Typical (dB) 0.2 dB

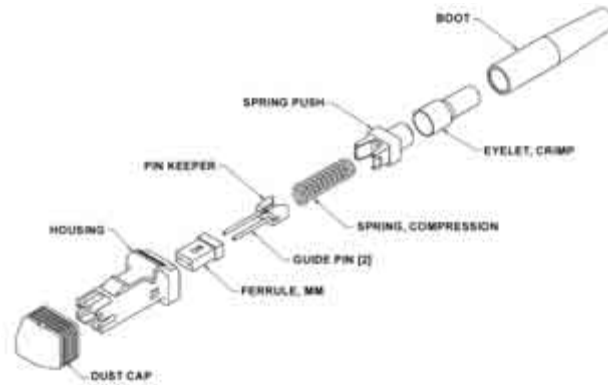
Operating Temperature —
-10°C to 60°C

Durability — 500 Cycles

Instruction Sheet

408-4540

<http://www.tycoelectronics.com/documents>



Standard MT-RJ Connectors

Fiber Type	Cable Type	Pins	Part Number
Singlemode	3.0 mm DUALAN	Without Guide Pins	6278399-1
	3.0 mm DUALAN	With Guide Pins	6278399-2
	1.8 mm Mini Zipcord	Without Guide Pins	6278751-1
	1.8 mm Mini Zipcord	With Guide Pins	6278751-2
Multimode	3.0 mm DUALAN	Without Guide Pins	6278398-1
	3.0 mm DUALAN	With Guide Pins	6278398-2
	1.8 mm Mini Zipcord	Without Guide Pins	6278750-1
	1.8 mm Mini Zipcord	With Guide Pins	6278750-2

SECURE MT-RJ Connectors

Fiber Type	Cable Type	Pins	Color	Part Number
Multimode	1.8 mm Mini Zipcord	Without Guide Pins	Red	1918356-1
			Yellow	1918356-2
			Green	1918356-3
			Blue	1918356-4
			Rose	1918356-5
			Aqua	1918356-6
			Brown	1918356-7
			Violet	1918356-8
			Orange	1918356-9
			Slate	1-1918356-0

MT-RJ to MT-RJ Adapter

Simplex Part Number:
1278017-1 (light almond)

Duplex Part Number:
6374906-1 (Almond)

MT-RJ to MT-RJ Simplex Adapter



MT-RJ to MT-RJ Duplex Adapter



Note: All part numbers are RoHS compliant.

MT-RJ Connectors (Continued)

SL Series Outlets

Product Facts

- Front-loading modules snap in and out for easy access
- Modular approach for flexibility
- “Invisible” icon holes stay hidden until used
- Individual jacks and inserts increase configuration and color-coding options
- MT-RJ SL Series housing accepts one MT-RJ Jack sold separately (See pages 119-122)

MT-RJ SL Series Housing

Color	Part Number
Almond	1374416-1
Black	1374416-2
White	1374416-3
Gray	1374416-4
Orange	1374416-5
Blue	1374416-6
Red	1374416-7
Yellow	1374416-8
Green	1374416-9
Violet	1-1374416-0
Electrical Ivory	1-1374416-1
Rose	2-1374416-3
Aqua	2-1374416-4
Brown	2-1374416-5
Slate	2-1374416-6



MT-RJ Optical Patch Panel

Tyco Electronics' MT-RJ optical patch panels feature 24-port (48 fiber) capacity in a 1U high rack mounted enclosure and offer twice the fiber density of conventional patch panels. Features include pre-installed cable management, rugged cable entry

strain relief, and a sliding, tilt-out drawer for easy termination of tight buffer or loose tube cable. Adjustable mounting brackets allow the user to mount the enclosure in forward, flush or recessed positions. The patch panel is supplied ready for MT-RJ jack installation.



Description	Part Number
1U Patch Panel with four, six-position MT-RJ interface housing Cable Management Rings (2 pieces), Cable Glands PG16, PG13.5, Dust Caps (24 pieces). (Jack modules not included)	1206704-4

MT-RJ Snap-In Adapter Plate

The MT-RJ snap-in adapter plate manages six MT-RJ Patch panel jacks (ordered separately, see page 73). The adapter plate is designed to fit into existing rack and wall mount enclosures with the benefit of industry standard labels and icons for port identification.

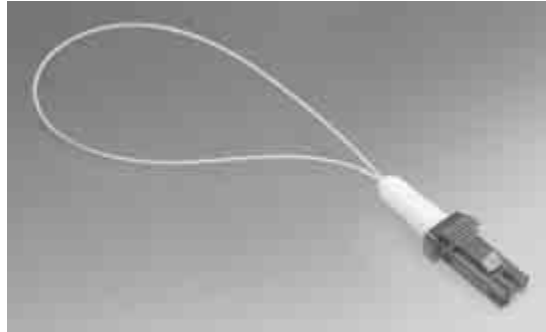


Description	Part Number
MT-RJ Snap-In Adapter Plates (Jack modules not included)	1278328-3

Note: All part numbers are RoHS compliant.

MT-RJ Connectors (Continued)

MT-RJ Loopbacks



Description	Part Number
MT-RJ to Singlemode Loopback	6278358-1
MT-RJ to Multimode Loopback, 50/125 μm	6278357-1
MT-RJ to Multimode Loopback, 62.5/125 μm	6278153-1

MT-RJ Cable Assemblies

See Cable Assemblies & Backplane Interconnects Section.

MT-RJ Bend Limiting Boots

Part Number 6374208-X



Product Facts

- **Compatible with all MT-RJ Jacks (see pages 119-122)**

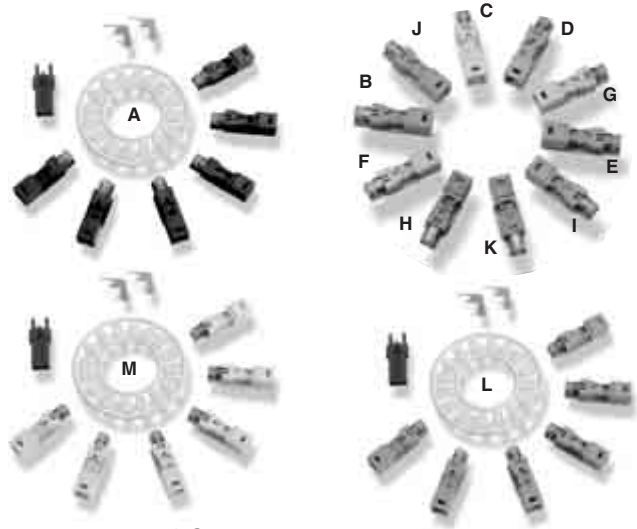
Color	Part Number
Black	6374208-4
Beige	6374208-5

Note: All part numbers are RoHS compliant.

MT-RJ Patch Panel Jacks, No Epoxy, No Polish

Product Facts

- Patch panel jacks terminate either two 900 μm tight-buffered fibers or two 250 μm coated fibers (select appropriate part number):
 - No epoxy, no polishing, no crimping
 - Two (2) fibers in one ferrule
 - Re-terminatable – improves yield
 - Tunable
 - No bench tool required
- Each part number includes:
 - Six (6) patch panel jacks
 - Two (2) actuation tools
 - Fiber guide
 - Icon wheel
- Jack design eliminates need for MT-RJ Coupler
- Match fiber type of cable to fiber type of MT-RJ Jack
- Small form factor design is half the size of SC duplex
- Six (6) patch panel jacks fit in the MT-RJ Snap-in Adapter Plate (see page 72)
- SL Series Housings and bend-limiting boots sold separately (see pages 70, 72 and 78)
- MT-RJ Cable Assemblies on pages 121 and 122
- MT-RJ SECURE Jacks feature color-coded, keyed designs to limit improper connections in segregated or SECURE networks
- MT-RJ SECURE Plug only mates with same color MT-RJ SECURE Jack
- MT-RJ SECURE Cable Assemblies on pages 121 and 122
- Singlemode MT-RJ pigtail jacks on page 123



Easy 3-Step Termination



Fiber Type	Jack Color	Figure	Part Number				
			250 μm Coated Fiber	900 μm Tight-buffered Fiber			
50/125 μm Multimode	Standard	Black	A	6278303-1	6588880-1		
		RED	B	6278807-1	6588879-1		
		YELLOW	C	6278807-2	6588879-2		
	SECURE	GREEN	D	6278807-3	6588879-3		
		BLUE	E	6278807-4	6588879-4		
		ROSE	F	6278807-5	6588879-5		
		AQUA	G	6278807-6	6588879-6		
		BROWN	H	6278807-7	6588879-7		
		VIOLET	I	6278807-8	6588879-8		
		ORANGE	J	6278807-9	6588879-9		
		SLATE	K	1-6278807-0	1-6588879-0		
		Standard	Gray	L	6278303-4	6588880-3	
			RED	B	6693951-1	6693949-1	
Laser Optimized (10 Gig) (850 nm LO 50/125 μm) Multimode	Standard	YELLOW	C	6693951-2	6693949-2		
		GREEN	D	6693951-3	6693949-3		
		BLUE	E	6693951-4	6693949-4		
	SECURE	ROSE	F	6693951-5	6693949-5		
		AQUA	G	6693951-6	6693949-6		
		BROWN	H	6693951-7	6693949-7		
		VIOLET	I	6693951-8	6693949-8		
		ORANGE	J	6693951-9	6693949-9		
		SLATE	K	1-6693951-0	1-6693949-0		
		62.5/125 μm Multimode	Standard	Beige	M	6278303-2	6588880-2
				RED	B	6278808-1	6588878-1
YELLOW	C			6278808-2	6588878-2		
SECURE	GREEN		D	6278808-3	6588878-3		
	BLUE		E	6278808-4	6588878-4		
	ROSE		F	6278808-5	6588878-5		
	AQUA		G	6278808-6	6588878-6		
	BROWN		H	6278808-7	6588878-7		
	VIOLET		I	6278808-8	6588878-8		
	ORANGE		J	6278808-9	6588878-9		
	SLATE		K	1-6278808-0	1-6588878-0		

Note: Highlighted part numbers are routinely stocked for shortest lead times.

Note: All part numbers are RoHS compliant.

MT-RJ Outlet Jacks, No Epoxy, No Polish

Product Facts

- Outlet jacks terminate two 900 µm tight-buffered fibers
 - No epoxy, no polishing, no crimping
 - Two fibers in one ferrule
 - Re-terminatable - improves yield
 - Tunable
 - No bench tool required
- Each part number includes:
 - One (1) outlet jack
 - Actuation tool
 - Bend-limiting boot
 - SL Series Housing
- Match fiber type of cable to fiber type of MT-RJ Jack
- Jack design eliminates need for MT-RJ Coupler
- Small form factor design is half the size of SC duplex
- SL Series Housing allows use in any faceplate or outlet that accepts SL Series Jacks
- MT-RJ Cable Assemblies on pages 121 and 122
- MT-RJ SECURE Jacks feature ten color-coded, keyed designs to limit improper connections in segregated or SECURE networks
 - MT-RJ SECURE plug only mates with same color MT-RJ SECURE Jack
- MT-RJ SECURE Cable Assemblies on page 121

Easy 3-Step Termination



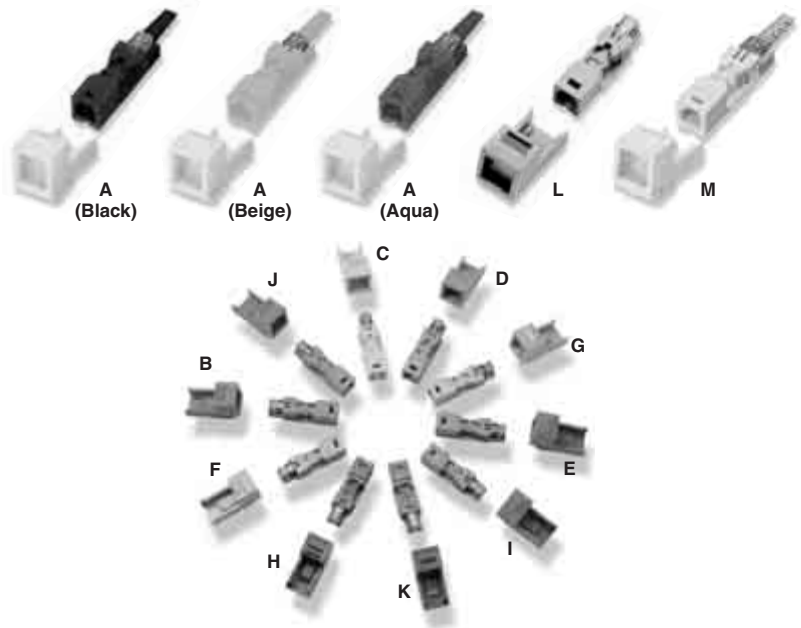
Strip



Cleave



Lock



Fiber Type	Jack Color	Housing Color	Figure	Part Number	
50/125 µm Multimode Used with 900 µm Tight-buffered Fibers	Standard	Black	—	A 6278414-X	
	SECURE	RED	RED	B	6278811-1
		YELLOW	YELLOW	C	6278811-2
		GREEN	GREEN	D	6278811-3
		BLUE	BLUE	E	6278811-4
		ROSE	ROSE	F	6278811-5
		AQUA	AQUA	G	6278811-6
		BROWN	BROWN	H	6278811-7
		VIOLET	VIOLET	I	6278811-8
		ORANGE	ORANGE	J	6278811-9
SLATE		SLATE	K	1-6278811-0	
Laser Optimized (10 Gig) (850 nm LO 50/125 µm) Multimode Used with 900 µm Tight-buffered Fibers	Standard	Gray	—	L 1-6278414-2	
	SECURE	RED	RED	B	6754252-1
		YELLOW	YELLOW	C	6754252-2
		GREEN	GREEN	D	6754252-3
		BLUE	BLUE	E	6754252-4
		ROSE	ROSE	F	6754252-5
		AQUA	AQUA	G	6754252-6
		BROWN	BROWN	H	6754252-7
		VIOLET	VIOLET	I	6754252-8
		ORANGE	ORANGE	J	6754252-9
SLATE		SLATE	K	1-6754252-0	
62.5/125 µm Multimode Used with 900 µm Tight-buffered Fibers	Standard	Beige	—	M 6278415-X	
	SECURE	RED	RED	B	6278810-1
		YELLOW	YELLOW	C	6278810-2
		GREEN	GREEN	D	6278810-3
		BLUE	BLUE	E	6278810-4
		ROSE	ROSE	F	6278810-5
		AQUA	AQUA	G	6278810-6
		BROWN	BROWN	H	6278810-7
		VIOLET	VIOLET	I	6278810-8
		ORANGE	ORANGE	J	6278810-9
SLATE		SLATE	K	1-6278810-0	

X denotes housing color: -1 = Almond, -2 = Black, -3 = White, -4 = Gray, -5 = Orange, -6 = Blue, -7 = Red, -8 = Yellow, -9 = Green, 1- - 0 = Violet, 1- -1 = Electrical Ivory

Note: Highlighted part numbers are routinely stocked for shortest lead times.

Note: All part numbers are RoHS compliant.

LIGHTCRIMP PLUS No Epoxy, No Polish LC, SC and ST Connectors

Product Facts

- Multimode connector kits come with accessories needed to terminate to 250 µm fiber, 900 µm tight-buffered fiber, and 900 µm easy-strip
 - SC and ST kits also terminate 3 mm cables
- Singlemode connector kits terminate to 250 µm fiber, 900 µm tight-buffered fiber, 900 µm easy-strip and buffer tube splitter kits
- Easy installation:
 - No epoxy, no polishing
 - No bench tool required
 - Strip, cleave and crimp
- Easy identification:
 - Singlemode is blue
 - Laser Optimized (10 Gig) is aqua — 10 Gb/s applications
 - 62.5/125 µm is beige
 - 50/125 µm is black
- Match fiber type of cable to fiber type of LIGHTCRIMP PLUS
- Mates with standard couplers, adapters and adapter plates
- LC small form factor design is half the size of SC
- Tested to and meets TIA/EIA 568-B.3
- Termination tool kits on page 86

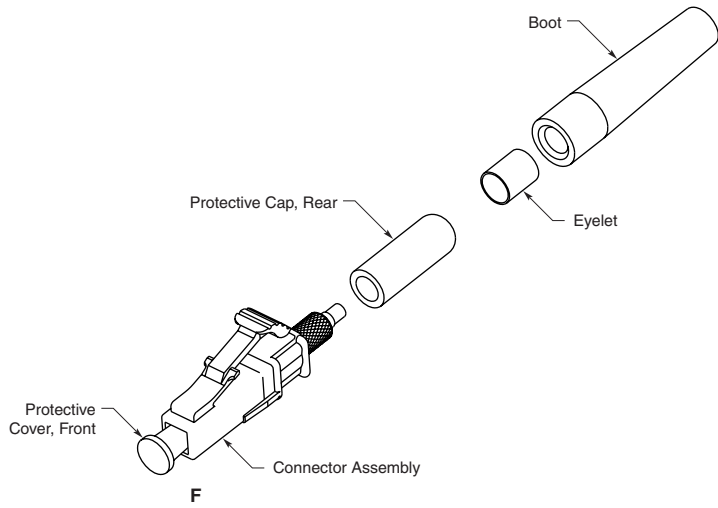


Performance Characteristics

Insertion Loss — Typical (dB)
0.2 dB Singlemode; 0.3 dB Multimode

Temperature Range —
-10°C to 60°C, tested to -40°C to 75°C

Durability — 500 cycles



LIGHTCRIMP PLUS No Epoxy, No Polish LC, SC and ST Connectors (Continued)

Connector Type	Fiber Type	Housing Color	Boot Color	Used With	Figure	Part Number	IS Sheet
Simplex LC	Singlemode	Blue	Blue	900 µm & 250 µm Fibers	A	6754482-1	408-8925
	50/125 µm Multimode	Beige	Black	900 µm & 250 µm Fibers	B	6754483-2	408-8925
	Laser Optimized (10 Gig) (850 nm LO 50/125 µm) Multimode	Beige	Aqua	900 µm & 250 µm Fibers	–	6754483-4	408-8925
	62.5/125 µm Multimode	Beige	Beige	900 µm & 250 µm Fibers	B	6754483-1	408-8925
Simplex LC Jacketed	Singlemode Jacketed	Blue	Blue	1.6 - 2.0 mm Cable	F	1918626-1	408-8925
	62.5/125 µm Multimode Jacketed	Beige	Beige	1.6 - 2.0 mm Cable	F	1918627-1	408-8925
	50/125 µm Multimode Jacketed	Beige	Black	1.6 - 2.0 mm Cable	F	1918627-2	408-8925
	Laser Optimized (10 Gig) (850 nm LO 50/125 µm) Multimode Jacketed	Gray	Aqua	1.6 - 2.0 mm Cable	F	1918627-3	408-8925
Simplex SECURE LC	50/125 µm Multimode Jacketed	Various	Various	1.6 - 2.0 mm Cable	F	1828857-X ¹	408-8925
	Laser Optimized (10 Gig) (850 nm LO 50/125 µm) Multimode Jacketed	Various	Various	1.6 - 2.0 mm Cable	F	1828858-X ¹	408-8925
	62.5/125 µm Multimode Jacketed	Various	Various	1.6 - 2.0 mm Cable	F	1828859-X ¹	408-8925
	Singlemode Jacketed	Various	Various	1.6 - 2.0 mm Cable	F	1828860-X ¹	408-8925
Duplex LC	Singlemode	Blue	Blue	900 µm & 250 µm Fibers	–	6754484-1	408-8725
	50/125 µm Multimode	Beige	Black	900 µm & 250 µm Fibers	–	6754485-2	408-8725
	Laser Optimized (10 Gig) (850 nm LO 50/125 µm) Multimode	Beige	Aqua	900 µm & 250 µm Fibers	–	6754485-4	408-8725
	62.5/125 µm Multimode	Beige	Beige	900 µm & 250 µm Fibers	–	6754485-1	408-8725
Simplex SC	Singlemode*	Blue	Blue	900 µm & 250 µm Fibers	C	6693276-1	408-4471
	50/125 µm Multimode	Beige	Black	900 µm & 250 µm Fibers, 3 mm Cable	D	6278079-2	408-4471
	Laser Optimized (10 Gig) (850 nm LO 50/125 µm) Multimode	Beige	Aqua	900 µm & 250 µm Fibers, 3 mm Cable	–	6588291-2	408-4471
	62.5/125 µm Multimode	Beige	Beige	900 µm & 250 µm Fibers, 3 mm Cable	D	5492643-1	408-4471
Duplex SC	Singlemode	Blue	Blue	900 µm & 250 µm Fibers	–	6693278-1	408-8603
	50/125 µm Multimode	Beige	Black	900 µm & 250 µm Fibers, 3 mm Cable	–	6278080-2	408-8603
	Laser Optimized (10 Gig) (850 nm LO 50/125 µm) Multimode	Beige	Aqua	900 µm & 250 µm Fibers, 3 mm Cable	–	6588292-2	408-8603
	62.5/125 µm Multimode	Beige	Beige	900 µm & 250 µm Fibers, 3 mm Cable	–	6278009-1	408-8603
ST	50/125 µm Multimode	Metallic	Black	900 µm & 250 µm Fibers, 3 mm Cable	E	6278082-1	408-4457
	62.5/125 µm Multimode	Metallic	Beige	900 µm & 250 µm Fibers, 3 mm Cable	E	5492642-2	408-4457
Duplex LC Clip		Black	—	Package of 6 clips (for use with Simplex kits)	G	1754371-2	—
Duplex SC Clip (Use 2)		Black	—	2 pieces make one clip (for use with Simplex kits)	G	6348522-1	—

Note: Highlighted part numbers are routinely stocked for shortest lead times.

* Able to terminate up to 3 mm jacket.

¹ Dash denotes housing color: -1 Red, -2 Yellow, -3 Green, -4 Blue, -5 Rose, -6 Aqua, -7 Brown, -8 Violet, -9 Orange, 1- -0 Slate.

Note: All part numbers are RoHS compliant.

LIGHTCRIMP No Epoxy, Polish SC and ST Connectors

Product Facts

- No epoxy needed
- Easy installation: strip, crimp, cleave and polish
- Each connector kit comes with accessories needed to terminate to 250 µm fiber, 900 µm tight-buffered fiber, and 3 mm cables
 - Duplex part numbers contain two connectors
- Multimode connectors are suitable for use with 50/125 µm, Laser Optimized (10 Gig) (850 nm LO 50/125 µm) and 62.5/125 µm fibers
- Mates with standard couplers, adapters and adapter plates
- Meets TIA/EIA 568-B.3

Performance Characteristics

Insertion Loss — 0.4 dB typical
Temperature Range — -40°C to 65°C
Durability — 500 cycles



Description			Figure	Part Number	IS Sheet
Simplex SC	Multimode	Ceramic Ferrule	A	5503692-1	408-4066
Duplex SC	Multimode	Ceramic Ferrule	—	5503693-1	408-4066
	Singlemode	Ceramic Ferrule	B	5504000-1	408-9860
ST	Multimode	Stainless Steel Ferrule	C	5504034-1	408-9860
		Ceramic Ferrule	B	5504001-1	408-9860
		Polymer	—	5492168-1	408-9860

Note: All part numbers are RoHS compliant.

CORELINK Optical Fiber Splices

Product Facts

- Each CORELINK splice mates two 900 µm tight-buffered fibers or two 250 µm coated fibers
- Easy to install
- Reusable
- No bench tool required
- Splices sold in packs of 12
 - Includes 2 actuator keys
- Optional CORELINK installation tool shown below
- Designed to TIA/EIA 568-B.3



Replacement Keys

Performance Characteristics

Mean Splice Loss — < 0.3 dB
Mean Return Loss — -26 dB
Temperature Range —
 -0°C to 60°C

Description			Part Number
CORELINK Splice	Singlemode	Clear	503577-1
2 Replacement keys in key holder			503681-1

Note: Highlighted part number is routinely stocked for shortest lead times.

Instruction Sheet

408-4019
<http://www.tycoelectronics.com/documents>

CORELINK Splice Workstation

Part Number 503605-1

Product Facts

- Optional tool for installing CORELINK mechanical splices
- Convenient fiber and splice holder for easy installation
- Works with singlemode and multimode CORELINK mechanical splices



Instruction Sheet

408-4131
<http://www.tycoelectronics.com/documents>

Note: All part numbers are RoHS compliant.



Optical Fiber Cables



Optical Fiber Cable Performance

Product Facts

- **AMP NETCONNECT Optical Fiber Cables are tested and designed to the most recent applicable industry standards for premise cabling, network and telecommunications applications, including:**
 - IEEE 802.3
 - Ethernet
 - Fast Ethernet
 - Gigabit Ethernet
 - 10 Gigabit Ethernet
 - FDDI
 - ATM
 - Fibre Channel
 - Token Ring
 - TIA/EIA-568
 - ISO 11801
 - ICEA-596
 - ICEA-640
 - ICEA-696
 - IEC 793-1
 - IEC 794-1
 - Telecordia GR-409-CORE
 - Telecordia GR-20-CORE

AMP NETCONNECT Optical Fiber Cables

AMP NETCONNECT optical fiber cables contain the highest quality optical fiber and offer the best performance for LED-based, laser-based, and VCSEL-based (ex: Gigabit Ethernet and 10 Gigabit Ethernet) applications. AMP NETCONNECT multimode optical fibers offer performance guaranteed to go beyond the IEEE 802.3z distances for Gigabit Ethernet, and are guaranteed

to support IEEE 802.3ae distances for Ten Gigabit Ethernet while still supporting slower protocols such as Fast Ethernet and FDDI.

The AMP NETCONNECT Laser Optimized 10 Gig Optical Fiber System is a high performance cabling system which has been designed to meet or exceed the requirements of the 10 Gigabit Ethernet application while still supporting all legacy LED and VCSEL applications. The system

fulfills the specifications of IEEE 802.3ae for 10GBASE-SR (10 Gigabit Ethernet serial transmission on MMF at 850 nm) and complies to the OM-3 fiber type and link class definitions of the 2nd edition of ISO 11801. All AMP NETCONNECT Laser Optimized 10 Gig Optical Fiber System components have been designed and optimized to offer a complete, end-to-end system to support today's applications and provide an easy migration to higher data rates.

Fiber	Gigabit Ethernet @ 850 nm	Gigabit Ethernet @ 1300 nm	10 Gigabit Ethernet Serial @ 850 nm	10 Gigabit Ethernet WDM @ 1300 nm
Multimode 62.5/125 μm	300 m	550 m	33 m	300 m
Multimode 50/125 μm	600 m	600 m	82 m	300 m
Laser Optimized 10 Gig (850 nm Laser Optimized 50/125 μm) Multimode	1000 m	600 m	300 m	300 m

Optical Fiber Cable Specifications

	Singlemode (1300/1550 nm)	Laser Optimized 10 Gig (850 nm LO 50/125 μm) Multimode (850/1300 nm)	Multimode 50/125 μm (850/1300 nm)	Multimode 62.5/125 μm (850/1300 nm)
Indoor Cables				
Maximum Attenuation (dB/km)	0.7/0.7	3.5/1.5	3.5/1.5	3.5/1.5
OFL Bandwidth (MHz*km)	—/—	1500/500	500/500	200/500
Laser Bandwidth (MHz*km)	—/—	2000/—	—/—	—/—

Optical Fiber Cable Temperature Ranges

		Riser	Plenum
Interconnect (Tight Buffered) Cables	Storage	-40° C to +65° C (-40° F to +149° F)	-40° C to +65° C (-40° F to +149° F)
	Operating	-20° C to +50° C (-4° F to +122° F)	-20° C to +50° C (-4° F to +122° F)
	Installation	-20° C to +50° C (-4° F to +122° F)	-20° C to +50° C (-4° F to +122° F)
Indoor, Distribution (Tight Buffered) Cables	Storage	-40° C to +65° C (-40° F to +149° F)	-40° C to +65° C (-40° F to +149° F)
	Operating	-20° C to +50° C (-4° F to +122° F)	0° C to +50° C (32° F to +122° F)
	Installation	-20° C to +50° C (-4° F to +122° F)	0° C to +50° C (32° F to +122° F)

Note: Part Numbers are RoHS compliant except: ♦ Indicates non-RoHS compliant.

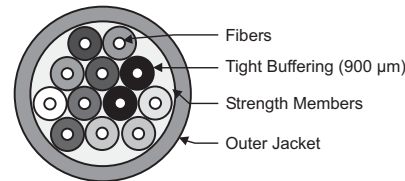
Optical Fiber Cables (Continued)



Distribution, 6-12 Fiber

Product Facts

- Suitable for horizontal and in-building backbone cabling and for direct termination with epoxy/polish, LIGHTCRIMP, LIGHTCRIMP PLUS and MT-RJ jacks
- Suitable for inter-building cabling if buried in conduit, below the frost line
- Strippable 900 µm tight buffer coating allows for easy connectorization
- TIA color-coded fibers for easy identification
- UL and cUL listed OFNR (Riser) and OFNP(Plenum)
- Interlocking armor available



Distribution Cables

Fiber Count	Unit Count Unit (Fibers/Unit)	Fiber Type	UL/NEC Ratings	Part Number	Weight kg/km (lb/kft)	Diameter mm (in)	Tensile Load N (lbf)		Bending Radius mm (in)						
							Installation	Long Term	Installation	Long Term					
6	1 (6)	Singlemode	Riser	1664036-6	22 (15)	4.8 (0.19)	667 (150)	167 (38)	96 (3.8)	48 (1.9)					
			Plenum	1664037-6	24 (16)		445 (100)	111 (25)							
		Multimode 50/125 µm	Riser	2-1664038-1	22 (15)		667 (150)	167 (38)							
			Plenum	2-1664039-1	24 (16)		445 (100)	111 (25)							
		Laser Optimized 10 Gig Multimode 50/125 µm	Riser	8-1664038-9	22 (15)		667 (150)	167 (38)							
			Plenum	8-1664039-9	24 (16)		445 (100)	111 (25)							
		Multimode 62.5/125 µm	Riser	1-1664040-1	22 (15)		667 (150)	167 (38)							
			Plenum	1-1664041-1	24 (16)		445 (100)	111 (25)							
		8	1 (8)	Singlemode	Riser		1664042-6	24 (16)			4.9 (0.19)	667 (150)	167 (38)	108 (4.2)	54 (2.1)
					Plenum		1664043-6	26 (18)				445 (100)	111 (25)		
Multimode 50/125 µm	Riser			2-1664044-1	24 (16)	667 (150)	167 (38)								
	Plenum			2-1664045-1	26 (18)	445 (100)	111 (25)								
Laser Optimized 10 Gig Multimode 50/125 µm	Riser			8-1664044-9	24 (16)	667 (150)	167 (38)								
	Plenum			8-1664045-9	26 (18)	445 (100)	111 (25)								
Multimode 62.5/125 µm	Riser			1-1664046-1	24 (16)	667 (150)	167 (38)								
	Plenum			1-1664047-1	26 (18)	445 (100)	111 (25)								
12	1 (12)			Singlemode	Riser	1664048-6	36 (24)	6.2 (0.24)	667 (150)	167 (38)		124 (4.8)	62 (2.4)		
					Plenum	1664049-6	46 (31)		445 (100)	111 (25)					
		Multimode 50/125 µm	Riser	2-1664050-1	36 (24)	667 (150)	167 (38)								
			Plenum	2-1664051-1	46 (31)	445 (100)	111 (25)								
		Laser Optimized 10 Gig Multimode 50/125 µm	Riser	8-1664050-9	36 (24)	667 (150)	167 (38)								
			Plenum	8-1664051-9	46 (31)	445 (100)	111 (25)								
		Multimode 62.5/125 µm	Riser	1-1664052-1	36 (24)	667 (150)	167 (38)								
			Plenum	1-1664053-1	46 (31)	445 (100)	111 (25)								

Notes: All of these cables are available with interlocking armor. Call for more information. Highlighted part numbers are routinely stocked for shortest lead times.

Note: Part Numbers are RoHS compliant except: ♦ Indicates non-RoHS compliant.

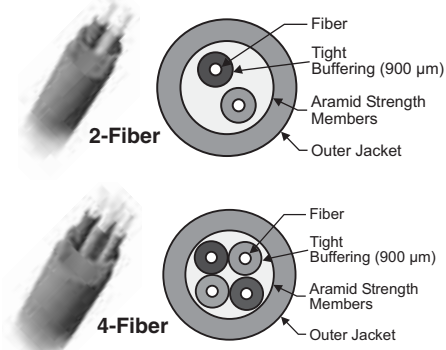
Optical Fiber Cables (Continued)



Horizontal, 2-4 Fiber

Product Facts

- Suitable for direct termination with epoxy/polish, **LIGHTCRIMP**, **LIGHTCRIMP PLUS** and **MT-RJ** jacks
- Blue, green, red and yellow **Dual and Quad multimode cables for MT-RJ SECURE Networks or network segregation**
- **Aramid yarn reinforcement**
- **UL and cUL listed OFNR (Riser) and OFNP(Plenum)**



2-Fiber (Dual)

Fiber Count	Unit Count Unit (Fibers/Unit)	Fiber Type	UL/NEC Ratings	Jacket Color	Part Number	Weight kg/km (lb/kft)	Diameter mm (in)	Tensile Load N (lbf)		Bending Radius mm (in)	
								Installation	Long Term	Installation	Long Term
2	1(2)	Singlemode	Riser	Yellow	1664024-6	19 (13)	4.8 (0.19)	220 (50)	55 (12.5)	95 (3.8)	48 (1.9)
			Plenum	Yellow	1664025-6	23 (16)					
				Orange	2-1664026-1	19 (13)					
				Blue	2-1664026-0	19 (13)					
		Riser	Green	2-1664026-2	19 (13)						
			Red	2-1664026-4	19 (13)						
			Yellow	2-1664026-6	19 (13)						
			Orange	2-1664027-1	23 (16)						
		Multimode 50/125 µm	Blue	2-1664027-0	23 (16)						
			Green	2-1664027-2	23 (16)						
			Red	2-1664027-4	23 (16)						
			Yellow	2-1664027-6	23 (16)						
		Laser Optimized 10 Gig Multimode 50/125 µm	Riser	Aqua	8-1664026-9	19 (13)					
			Plenum	Aqua	8-1664027-9	23 (16)					
				Orange	1-1664028-1	19 (13)					
				Blue	1-1664028-0	19 (13)					
			Riser	Green	1-1664028-2	19 (13)					
				Red	1-1664028-4	19 (13)					
			Multimode 62.5/125 µm	Yellow	1-1664028-6	19 (13)					
				Orange	1-1664029-1	23 (16)					
Blue	1-1664029-0			23 (16)							
Green	1-1664029-2			23 (16)							
Plenum	Red		1-1664029-4	23 (16)							
	Yellow		1-1664029-6	23 (16)							

4-Fiber (Quad)

4	1(4)	Singlemode	Riser	Yellow	1664030-6	21 (14)	4.8 (0.19)	220 (50)	55 (12.5)	95 (3.8)	48 (1.9)
			Plenum	Yellow	1664031-6	25 (17)					
				Orange	2-1664032-1	21 (14)					
				Blue	2-1664032-0	21 (14)					
		Riser	Green	2-1664032-2	21 (14)						
			Red	2-1664032-4	21 (14)						
			Yellow	2-1664032-6	21 (14)						
			Orange	2-1664033-1	25 (17)						
		Multimode 50/125 µm	Blue	2-1664033-0	25 (17)						
			Green	2-1664033-2	25 (17)						
			Red	2-1664033-4	25 (17)						
			Yellow	2-1664033-6	25 (17)						
		Laser Optimized 10 Gig Multimode 50/125 µm	Riser	Aqua	8-1664032-9	21 (14)					
			Plenum	Aqua	8-1664033-9	25 (17)					
				Orange	1-1664034-1	21 (14)					
				Blue	1-1664034-0	21 (14)					
			Riser	Green	1-1664034-2	21 (14)					
				Red	1-1664034-4	21 (14)					
			Multimode 62.5/125 µm	Yellow	1-1664034-6	21 (14)					
				Orange	1-1664035-1	25 (17)					
Blue	1-1664035-0			25 (17)							
Green	1-1664035-2			25 (17)							
Plenum	Red		1-1664035-4	25 (17)							
	Yellow		1-1664035-6	25 (17)							

Note: Highlighted part numbers are routinely stocked for shortest lead times.

Note: Part Numbers are RoHS compliant except: ♦ Indicates non-RoHS compliant.

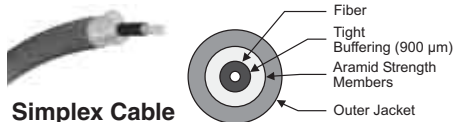
Optical Fiber Cables (Continued)



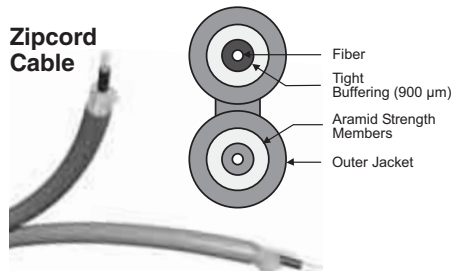
Interconnect, 1-2 Fiber

Product Facts

- Suitable for pigtails, patch cords and internal equipment connections
- Aramid yarn reinforcement
- UL and cUL listed OFNR (Riser) and OFNP(Plenum)



Simplex Cable



Zipcord Cable

Simplex (2.0 mm)

Fiber Count	Unit Count Unit (Fibers/Unit)	Fiber Type	UL/NEC Ratings	Part Number	Weight kg/km (lb/kft)	Diameter mm (in)	Tensile Load N (lbf)		Bending Radius mm (in)	
							Installation	Long Term	Installation	Long Term
1	1 (1)	Singlemode	Riser	1664006-6	5 (3)	2.0 (0.08)	220 (50)	55 (12.5)	40 (1.6)	20 (0.8)
			Plenum	1664007-6	6 (4)					
		Multimode 50/125 μm	Riser	2-1664008-1	5 (3)					
			Plenum	2-1664009-1	6 (4)					
		Laser Optimized 10 Gig Multimode 50/125 μm	Riser	8-1664008-9	5 (3)					
			Plenum	8-1664009-9	6 (4)					
		Multimode 62.5/125 μm	Riser	1-1664010-1	5 (3)					
			Plenum	1-1664011-1	6 (4)					

Simplex (2.9 mm)

1	1 (1)	Singlemode	Riser	1664000-6	8 (5)	2.9 (0.11)	220 (50)	55 (12.5)	58 (2.8)	29 (1.1)
			Plenum	1664001-6	9 (6)					
		Multimode 50/125 μm	Riser	2-1664002-1	8 (5)					
			Plenum	2-1664003-1	9 (6)					
		Laser Optimized 10 Gig Multimode 50/125 μm	Riser	8-1664002-9	8 (5)					
			Plenum	8-1664003-9	9 (6)					
		Multimode 62.5/125 μm	Riser	1-1664004-1	8 (5)					
			Plenum	1-1664005-1	9 (6)					

Zipcord (2.0 mm)

2	2 (1)	Singlemode	Riser	1664018-6	6 (4)	2.0 x 4.0 (0.08 x 0.16)	220 (50)	55 (12.5)	40 (2.2)	20 (0.8)
			Plenum	1664019-6	8 (5)					
		Multimode 50/125 μm	Riser	2-1664020-1	6 (4)					
			Plenum	2-1664021-1	8 (5)					
		Laser Optimized 10 Gig Multimode 50/125 μm	Riser	8-1664020-9	6 (4)					
			Plenum	8-1664021-9	8 (5)					
		Multimode 62.5/125 μm	Riser	1-1664022-1	6 (4)					
			Plenum	1-1664023-1	8 (5)					

Zipcord (2.9 mm)

2	2 (1)	Singlemode	Riser	1664012-6	15 (10)	2.9 x 5.8 (0.11 x 0.22)	220 (50)	55 (12.5)	58 (2.2)	29 (1.1)
			Plenum	1664013-6	18 (12)					
		Multimode 50/125 μm	Riser	2-1664014-1	15 (10)					
			Plenum	2-1664015-1	18 (12)					
		Laser Optimized 10 Gig Multimode 50/125 μm	Riser	8-1664014-9	15 (10)					
			Plenum	8-1664015-9	18 (12)					
		Multimode 62.5/125 μm	Riser	1-1664016-1	15 (10)					
			Plenum	1-1664017-1	18 (12)					

Note: Highlighted part numbers are routinely stocked for shortest lead times.

Note: Part Numbers are RoHS compliant except: ♦ Indicates non-RoHS compliant.