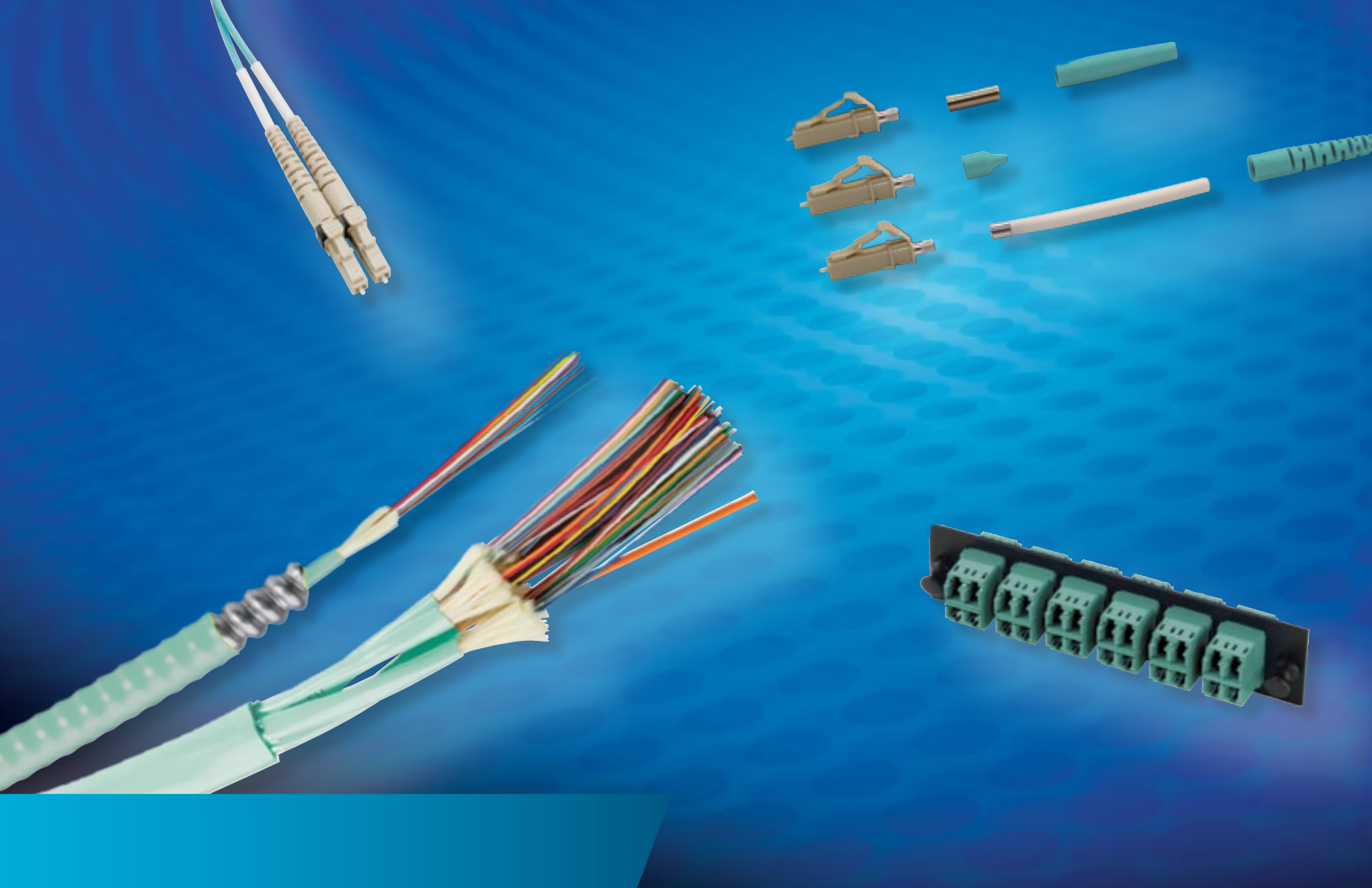




XG OM3 and OM4 (50/125 μm) Multimode Optical Fiber Products





25 Year System Performance Coverage*

We are confident that your AMP NETCONNECT cabling system will keep performing to current TIA/EIA industry standards. If the registered system ever fails to meet those standards within 25 years of the date of installation, we'll provide the reasonable parts and labor to replace or repair the AMP NETCONNECT product.



25 Year Component Coverage*

Tyco Electronics also offers a 25 Year Component Warranty to protect individual AMP NETCONNECT cabling system components. If a component fails within 25 years of the date of installation, we'll provide the reasonable parts to replace or repair the registered AMP NETCONNECT product.

It's Standard Equipment

This coverage is automatically part of the package when*:

- AMP NETCONNECT products are specified end-to-end
- A Tyco Electronics authorized NETCONNECT Design & Installation (ND&I) contractor registers the network project with Tyco Electronics
- That ND&I performs the actual installation in accordance with Tyco Electronics requirements

Who's Covered

Unlike most systems suppliers, Tyco Electronics provides warranty coverage directly to the end user. Many suppliers provide coverage to the installers, who then provide coverage to the customer. But with Tyco Electronics warranties, there are no middlemen. The warranties are between you and Tyco Electronics.

For more information, please visit: <http://www.tycoelectronics.com/aboutus/pdf/tc.pdf>

Or call: 1-800-553-0938

Outside the U.S., please contact your local AMP NETCONNECT product sales office.

People & Products to Answer the Cabling Challenge.

Cabling a retail store, casino or office building can be complex. Yet the solution for productive connectivity and cable management can be as simple as talking to the right people - The AMP NETCONNECT business unit of Tyco Electronics.

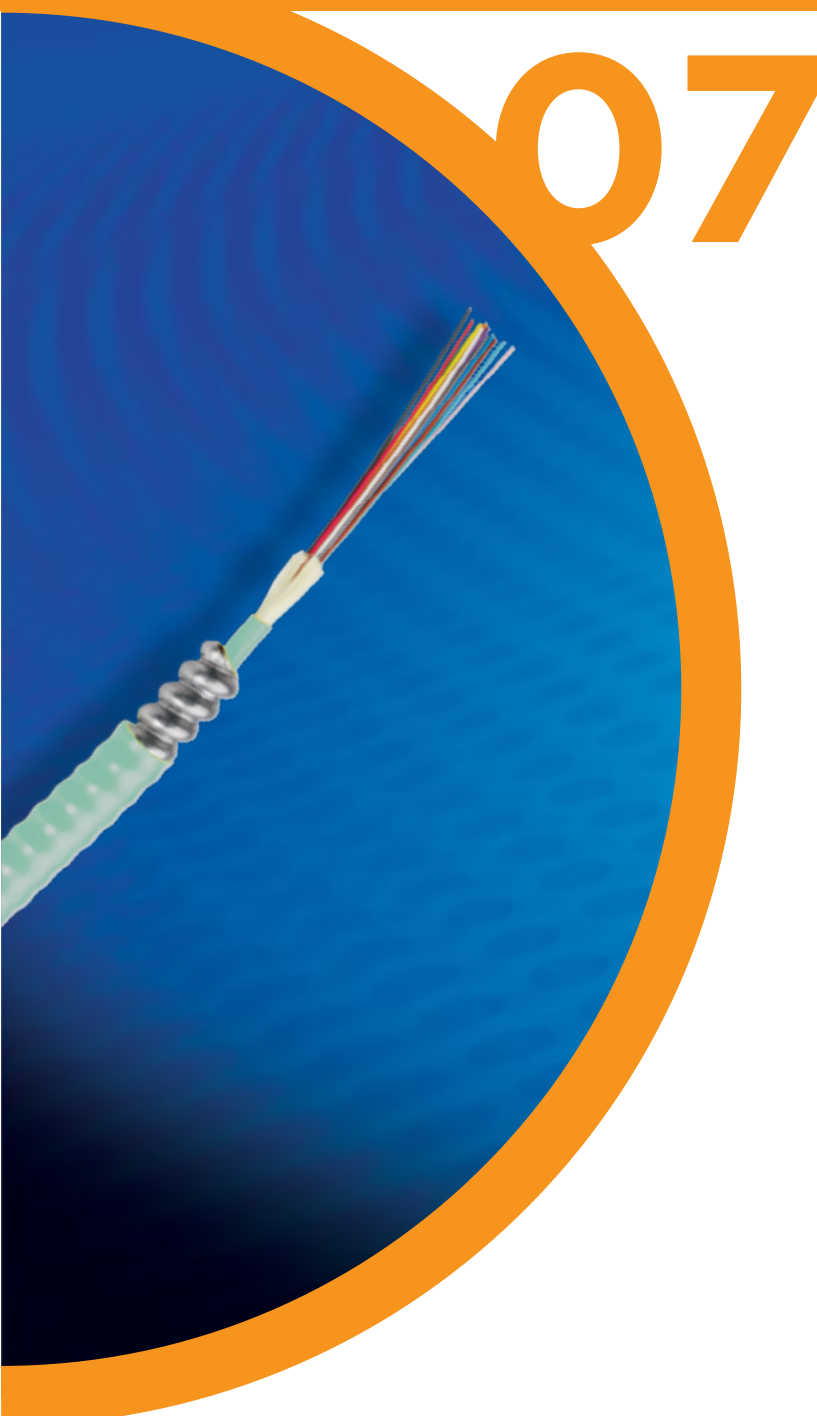
The reason is what we bring to the building infrastructure challenges you face. In-depth technical knowledge and expertise from decades of experience. Innovative technologies from ongoing R&D. And quality products for every power, data, voice and video networking need. One of the broadest lines in the industry, in fact.

Additionally, it's what we do to answer the challenge: develop and deliver integrated, made-to-order solutions that optimize network performance, increase productivity and produce more immediate return-on-investment.

And it's not just providing technology. It's making sure solutions are efficiently and effectively installed: working with distributors and customers so products are delivered when and where you need them. And maintaining a global network of certified installation contractors.

It all means, simply, that AMP NETCONNECT cabling systems provide the answers you're looking for: the whole solution for any cabling challenge. From the ground up.

*Some conditions may apply. AMP NETCONNECT Home Net-Works Systems qualify for a 25 year component warranty only. For more information, please visit www.ampnetconnect.com or call 1-800-553-0938. Outside the U.S., please contact your local AMP NETCONNECT product sales office.



XG OM3 and OM4 Optical Fiber General Product Information	02 - 05
Optical Fiber Interconnect Cable	06
Optical Fiber Distribution Cable	06
Interlocking Armor Optical Fiber Distribution	07
Optical Fiber Indoor/Outdoor Cable	07
Optical Fiber Outside Plant (OSP) Cable	08
Optical Fiber Outside Plant Armored (OSPA) Cable	08
LightCrimp PLUS Connectors (No-epoxy/No-polish)	09
Epoxy/Polish Connectors	10
MT-RJ Jacks (No-epoxy/No-polish)	11
MT-RJ Jack Accessories	12
LightCrimp Splice	12
Snap-in Adapter Plates	13
Couplers & Adapters	13
LC Cable Assemblies	14
MT-RJ Cable Assemblies	14
SC Cable Assemblies	15
ST Cable Assemblies	15
LC Test Kits	16
Replacement Components for LC Test Kits	16
MT-RJ OTDR Test Assemblies	16
MT-RJ Loopbacks	16
MT-RJ Test Kits	16
Replacement Components for MT-RJ Test Kits	16

XG OM3 & OM4 Multimode Optical Fiber Cable Information

07

AMP NETCONNECT fiber optic cables contain fibers for use in optical fiber applications, including: local area networks (LANs), wide area networks (WANs), fiber to the curb (FTTC), fiber to the home (FTTH), fiber to the desk (FTTD), and others.

The AMP NETCONNECT XG 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 850nm) using OM3 and OM4 fiber.

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	ANSI/TIA-568	ISO 11801	ICEA-596
ICEA-640	ICEA-696	IEC 793-1	IEC 794-1
Telecordia GR-409-CORE	Telecordia GR-20-CORE		

XG Multimode Optical Fiber Performance

Fiber Type	Gigabit Ethernet @ 850 nm	Gigabit Ethernet @ 1300 nm	10 Gigabit Ethernet @ 850 nm	10 Gigabit Ethernet @ 1300 nm
XG OM3 (850 nm LO 50 μm) Multimode	800 m	550 m	300 m	300 m
XG OM4 (850 nm LO 50 μm) Multimode	> 800 m	550 m	550 m	300 m

XG Multimode (850/1300 nm) Optical Fiber Cable Performance Specifications

Cable Type	Fiber Type	Maximum Attenuation dB/km		OFL Bandwidth MHz·km		Laser Bandwidth MHz·km	
		850 nm	1300 nm	850 nm	1300 nm	850 nm	1300 nm
Indoor, Indoor/Outdoor, and OSP Loose Tube Cables	XG OM3 Multimode	3.2	1.2	1500	500	2000	–
	XG OM4 Multimode	3.2	1.2	3500	500	4700	–

Optical Fiber Cable Temperature Ranges

Cable Type	Condition	Riser		Plenum	
		Storage	Operating	Storage	Operating
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)	-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)	-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)	-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 +70°C (-40°F to +158°F)	-40°C to +70°C (-40°F to +158°F)	-40°C to +70°C (-40°F to +158°F)	-40°C to +70°C (-40°F to +158°F)
	Operating	-20°C to +70°C (-4°F to +158°F)	0°C to +70°C (32°F to +158°F)	0°C to +70°C (32°F to +158°F)	0°C to +70°C (32°F to +158°F)
	Installation	-10°C to +60°C (14°F to +140°F)	0°C to +60°C (32°F to +140°F)	0°C to +60°C (32°F to +140°F)	0°C to +60°C (32°F to +140°F)
Indoor/Outdoor Cables	Storage	-40°C to +70°C (-40°F to +160°F)	-40°C to +70°C (-40°F to +160°F)	-40°C to +70°C (-40°F to +160°F)	-40°C to +70°C (-40°F to +160°F)
	Operating	-40°C to +70°C (-40°F to +160°F)	-40°C to +70°C (-40°F to +160°F)	-40°C to +70°C (-40°F to +160°F)	-40°C to +70°C (-40°F to +160°F)
	Installation	-20°C to +60°C (-4°F to +140°F)	-0°C to +60°C (-32°F to +140°F)	-0°C to +60°C (-32°F to +140°F)	-0°C to +60°C (-32°F to +140°F)
Stranded Cables					
OSP (Loose Tube) Cables	Storage	-40°C to +70°C (-40°F to +158°F)	–	–	–
	Operating	-40°C to +70°C (-40°F to +158°F)	–	–	–
	Installation	-30°C to +60°C (-22°F to +140°F)	–	–	–

Optical Fiber Cable Technical Information

Cable Type	Fiber Count	Unit Count Units (Fibers/Unit)	Diameter mm (in)	Weight kg/km (lb/kft)	Tensile Load N (lbf)		Bending Radius mm (in)	
					Installation	Long Term	Installation	Long Term
Outside Plant, Single Loose Tube	4	1 (4)	8.3 (0.33)	50 (34)	2670 (600)	890 (200)	176 (6.9)	88 (3.5)
	6	1 (6)	8.3 (0.33)	50 (34)	2670 (600)	890 (200)	176 (6.9)	88 (3.5)
	8	1 (8)	8.3 (0.33)	50 (34)	2670 (600)	890 (200)	176 (6.9)	88 (3.5)
	12	1 (12)	8.3 (0.33)	50 (34)	2670 (600)	890 (200)	176 (6.9)	88 (3.5)
Outside Plant, Stranded Loose Tube	24	2 (12)	11.0 (0.43)	100 (67)	2670 (600)	890 (200)	242 (9.5)	121 (4.8)
	36	3 (12)	11.0 (0.43)	93 (62)	2670 (600)	890 (200)	242 (9.5)	121 (4.8)
	48	4 (12)	11.0 (0.43)	97 (65)	2670 (600)	890 (200)	242 (9.5)	121 (4.8)
	72	6 (12)	11.9 (0.47)	130 (87)	2670 (600)	890 (200)	252 (9.9)	126 (5.0)
	96	8 (12)	13.6 (0.53)	158 (106)	2670 (600)	890 (200)	287 (11.3)	144 (5.6)
	144	12 (12)	17.6 (0.69)	252 (169)	2670 (600)	890 (200)	364 (14.3)	182 (7.2)
Outside Plant, Armored Single Loose Tube	4	1 (4)	10.9 (0.43)	140 (94)	2670 (600)	890 (200)	244 (9.6)	122 (4.8)
	6	1 (6)	10.9 (0.43)	140 (94)	2670 (600)	890 (200)	244 (9.6)	122 (4.8)
	8	1 (8)	10.9 (0.43)	140 (94)	2670 (600)	890 (200)	244 (9.6)	122 (4.8)
	12	1 (12)	10.9 (0.43)	140 (94)	2670 (600)	890 (200)	244 (9.6)	122 (4.8)
Outside Plant, Armored Stranded Loose Tube	24	2 (12)	13.8 (0.55)	214 (144)	2670 (600)	890 (200)	315 (12.4)	158 (6.2)
	36	3 (12)	13.8 (0.55)	218 (146)	2670 (600)	890 (200)	315 (12.4)	158 (6.2)
	48	4 (12)	13.8 (0.55)	223 (150)	2670 (600)	890 (200)	315 (12.4)	158 (6.2)
	72	6 (12)	14.8 (0.58)	265 (178)	2670 (600)	890 (200)	335 (13.2)	167 (6.6)
	96	8 (12)	16.7 (0.69)	307 (206)	2670 (600)	890 (200)	378 (14.9)	189 (7.4)
	144	12 (12)	21.4 (0.84)	498 (335)	2670 (600)	890 (200)	455 (17.9)	228 (9)

XG OM3 & OM4 (50/125 μm) Multimode



Optical Fiber Cable Technical Information (Continued)

Cable Type	Fiber Count	Unit Count Units (Fibers/ Unit)	UL/NEC Ratings	Diameter mm (in)	Weight kg/km (lb/ kft)	Tensile Load N (lbf)		Bending Radius mm (in)	
						Installation	Long Term	Installation	Long Term
Interconnect, Simplex	1	1 (1)	OFNR	2.0 (0.08)	5 (3)	40 (9)	12 (3)	50 (1.97)	25 (0.98)
			OFNP	2.0 (0.08)	6 (4)	40 (9)	12 (3)	50 (1.97)	25 (0.98)
			OFNR	2.9 (0.11)	8 (5)	100 (22)	30 (7)	58 (2.3)	29 (1.1)
			OFNP	2.9 (0.11)	9 (6)	100 (22)	30 (7)	58 (2.3)	29 (1.1)
Interconnect, Zipcord	2	2 (1)	OFNR	2.0 (0.08) x 4.1 (0.16)	8 (5)	40 (9)	12 (3)	50 (1.97)	25 (0.98)
			OFNP	2.0 (0.08) x 4.1 (0.16)	10 (7)	40 (9)	12 (3)	50 (1.97)	25 (0.98)
			OFNR	2.9 (0.11) x 5.9 (0.23)	15 (10)	100 (22)	30 (7)	58 (2.3)	29 (1.1)
			OFNP	2.9 (0.11) x 5.9 (0.23)	15 (10)	100 (22)	30 (7)	58 (2.3)	29 (1.1)
Interconnect, Dual	2	1 (2)	OFNR	2.9 (0.11)	7 (5)	100 (22)	30 (7)	57 (2.2)	29 (1.1)
			OFNP	2.9 (0.11)	9 (6)	100 (22)	30 (7)	57 (2.2)	29 (1.1)
			OFNR	4.8 (0.3)	20 (13)	100 (22)	30 (7)	96 (3.8)	48 (1.9)
			OFNP	4.8 (0.3)	30 (20)	100 (22)	30 (7)	96 (3.8)	48 (1.9)
Interconnect, Quad	4	1 (4)	OFNR	4.8 (0.3)	25 (17)	100 (22)	30 (7)	96 (3.8)	48 (1.9)
			OFNP	4.8 (0.3)	30 (20)	100 (22)	30 (7)	96 (3.8)	48 (1.9)
Distribution	6	1 (6)	OFNR	5.2 (0.20)	29 (19)	660 (150)	198 (45)	114 (4.5)	57 (2.2)
			OFNP	4.8 (0.19)	24 (16)	440 (100)	132 (30)	110 (4.3)	55 (2.2)
	8	1 (8)	OFNR	5.7 (0.22)	24 (16)	660 (150)	198 (45)	136 (5.4)	68 (2.7)
			OFNP	5.0 (0.20)	26 (17)	440 (100)	132 (30)	110 (4.3)	55 (2.2)
	12	1 (12)	OFNR	6.0 (0.24)	37 (25)	660 (150)	198 (45)	128 (5)	64 (2.5)
			OFNP	5.7 (0.23)	46 (31)	440 (100)	132 (30)	128 (5)	64 (2.5)
	24	1 (24)	OFNR	8.0 (0.31)	61 (41)	1320 (300)	396 (90)	178 (7)	89 (3.5)
			OFNP	7.7 (0.30)	69 (46)	660 (150)	198 (45)	168 (6.6)	84 (3.3)
	24	2 (12)	OFNR	7.4 x 13.0 (0.29 x 0.51)	87 (58)	1320 (300)	396 (90)	284 (11.2)	142 (5.6)
			OFNP	7.0 x 12.4 (0.28 x 0.49)	92 (62)	660 (150)	198 (45)	264 (10.4)	132 (5.2)
	24	4 (6)	OFNR	13.4 (0.53)	180 (121)	1320 (300)	396 (90)	275 (10.8)	137 (5.4)
			OFNP	13.3 (0.52)	200 (134)	660 (150)	198 (45)	266 (10.5)	133 (5.2)
	36	6 (6)	OFNR	16.4 (0.65)	220 (148)	1320 (300)	396 (90)	342 (13.5)	171 (6.7)
			OFNP	16.0 (0.63)	255 (171)	660 (150)	198 (45)	327 (12.9)	164 (6.4)
	48	4 (12)	OFNR	16.0 (0.63)	250 (168)	1320 (300)	396 (90)	350 (13.8)	175 (6.9)
			OFNP	15.2 (0.60)	202 (136)	660 (150)	198 (45)	312 (12.3)	156 (6.1)
	72	6 (12)	OFNR	18.9 (0.75)	301 (202)	1320 (300)	396 (90)	386 (15.2)	193 (7.6)
			OFNP	18.5 (0.73)	316 (212)	660 (150)	198 (45)	386 (15.2)	193 (7.6)
	96	8 (12)	OFNR	22.8 (0.90)	433 (291)	1320 (300)	396 (90)	462 (18.2)	231 (9.1)
			OFNP	22.0 (0.86)	466 (313)	660 (150)	198 (45)	448 (17.6)	224 (8.8)
	144	12 (12)	OFNR	24.8 (0.98)	461 (310)	1320 (300)	396 (90)	514 (20.2)	257 (10.1)
			OFNP	24.2 (0.95)	474 (319)	660 (150)	198 (45)	514 (20.2)	257 (10.1)
Distribution, Interlocking Armor	6	1 (6)	OFCP	13.1 (0.52)	117 (79)	1335 (300)	400 (90)	197 (7.8)	131 (5.2)
	12	1 (12)	OFCP	13.3 (0.52)	129 (87)	1335 (300)	400 (90)	199 (7.8)	133 (5.2)
	24	1 (24)	OFCP	14.8 (0.58)	176 (119)	1780 (400)	534 (120)	223 (8.8)	148 (5.8)
	24	2 (12)	OFCP	18.9 (0.74)	240 (161)	1780 (400)	534 (120)	192 (7.6)	128 (5.0)
	48	4 (12)	OFCP	23.4 (0.92)	408 (274)	2640 (600)	800 (180)	351 (13.8)	234 (9.2)
	72	6 (12)	OFCP	24.7 (0.97)	537 (361)	2640 (600)	800 (180)	371 (14.6)	247 (9.7)
Indoor/Outdoor, Single Loose Tube	6	1 (6)	OFNR	6.5 (0.26)	45 (30)	1335 (300)	400 (90)	97 (3.8)	65 (2.6)
			OFNP	6.6 (0.26)	45 (30)	1335 (300)	400 (90)	99 (3.9)	66 (2.6)
	8	1 (8)	OFNR	6.5 (0.26)	45 (30)	1335 (300)	400 (90)	97 (3.8)	65 (2.6)
			OFNP	6.6 (0.26)	46 (31)	1335 (300)	400 (90)	99 (3.9)	66 (2.6)
	12	1 (12)	OFNR	6.5 (0.26)	45 (30)	1335 (300)	400 (90)	97 (3.8)	65 (2.6)
			OFNP	6.6 (0.26)	46 (31)	1335 (300)	400 (90)	99 (3.9)	66 (2.6)
Indoor/Outdoor, Stranded Loose Tube	24	2 (12)	OFNR	10.1 (0.40)	84 (56)	2670 (600)	890 (200)	151 (5.9)	101 (4.0)
			OFNP	9.7 (0.38)	86 (58)	2670 (600)	890 (200)	145 (5.7)	97 (3.8)
	36	3 (12)	OFNR	10.1 (0.40)	84 (56)	2670 (600)	890 (200)	151 (5.9)	101 (4.0)
			OFNP	9.7 (0.38)	86 (58)	2670 (600)	890 (200)	145 (5.7)	97 (3.8)
	48	4 (12)	OFNR	10.1 (0.40)	84 (56)	2670 (600)	890 (200)	151 (5.9)	101 (4.0)
			OFNP	9.7 (0.38)	86 (58)	2670 (600)	890 (200)	145 (5.7)	97 (3.8)
	72	6 (12)	OFNR	11.9 (0.47)	111 (75)	2670 (600)	890 (200)	178 (7.0)	119 (4.7)
			OFNP	11.7 (0.46)	101 (68)	2670 (600)	890 (200)	175 (6.9)	117 (4.6)
	96	8 (12)	OFNR	13.7 (0.54)	147 (99)	2670 (600)	890 (200)	206 (8.1)	137 (5.4)
			OFNP	13.5 (0.53)	175 (118)	2670 (600)	890 (200)	203 (8.0)	135 (5.3)
	144	12 (12)	OFNR	17.8 (0.70)	252 (169)	4448 (1000)	1335 (300)	267 (10.5)	178 (7.0)
			OFNP	17.7 (0.70)	300 (202)	4448 (1000)	1335 (300)	255 (10.1)	170 (6.7)

XG OM3 & OM4 Multimode Optical Fiber Connectivity Information

07

Optical Fiber Connector Termination Comparison Chart

		LightCrimp Plus LC, SC, ST	Epoxy/Polish LC, SC, ST
Termination Technology	Epoxy Required	NO	YES
	Polish Required	NO	YES
	Crimp Required	YES	YES
Setup Time	(Each Location)	< 2 Minutes	< 12 Minutes
Installation Time	(Each Fiber)	~ 1 Minute	7 – 25 Minutes
Connector Cost	(Relative)	Higher	Lower
Installation Labor Cost	(Relative)	Lower	Higher
Tool Kit Cost	(Relative)	Lower	Higher
Skill Level	(Relative)	Lower	Higher
Training Time	(Relative)	Short	High

NOTE: Entries for time and cost are estimates and relative comparisons. Actual results will vary depending on experience level and conditions at time of termination.

Jack, Plug and Insert Compatibility List

Description		Part Number	SL Series MT-RJ and MT-RJ SECURE Outlet Jacks	MT-RJ and MT-RJ SECURE Patch Panel Jacks	LightCrimp Plus LC SC ST			Epoxy/Polish LC SC ST		
SL Series Modules	2-Port	1116409	X	–	–	–	–	–	–	–
	2-Port	1116406	X	–	–	–	–	–	–	–
	3-Port	1116408	X	–	–	–	–	–	–	–
	Duplex SC, Single-mode	1375306	–	–	–	X	–	–	X	–
	Duplex SC, Multimode	1375123	–	–	–	X	–	–	X	–
	Duplex SC to ST, Multimode	1375241	–	–	–	X	X	–	X	X
SL Series Inserts	ST, Multimode	1339123	–	–	–	–	X	–	X	X
	ST, Single-mode	1479181	–	–	–	–	X	–	–	X
	LC Duplex, Multimode	1435735	–	–	X	–	–	X	–	–
	LC Duplex, Single-mode	1435799	–	–	X	–	–	X	–	–
	MT-RJ SL Series Housing, Single-mode/Multimode	1374416	X*	X	–	–	–	–	–	–
	HIDEAWAY and HIDEOUT SC Duplex, Multimode	5504640	–	–	–	X	–	–	X	–
HIDEAWAY and HIDEOUT	SC Duplex to Dual ST, Multimode	5504663	–	–	–	X	X	–	X	X
HIDEAWAY and HIDEOUT	Dual ST, Multimode	504662	–	–	–	–	X	–	–	X
HIDEAWAY and HIDEOUT	MT-RJ Parallel Dress Clips, 1-Port	1374206	X**	X	–	–	–	–	–	–
HIDEAWAY and HIDEOUT	MT-RJ Parallel Dress Clips, 2-Port	1374205	X**	X	–	–	–	–	–	–
Surface Mount Inserts	1-Port	1116098	X	–	–	–	–	–	–	–
Surface Mount Inserts	2-Port	557775	X	–	–	–	X	–	–	X
Surface Mount Inserts	2-Port	557350	–	–	–	–	–	–	–	–
Universal Office Box Inserts	ST, Multimode	1479495	–	–	–	–	X	–	–	X
ACO Dual-Port Faceplate	Dual - SC Duplex, Multimode	503662	–	–	–	X	–	–	X	–
ACO Dual-Port Faceplate	Quad - ST, Multimode	502604	–	–	–	–	X	–	–	X
ACO Dual-Port Faceplate	Dual - ST, Multimode	502604	–	–	–	–	X	–	–	X
AFWM Flush Faceplates	Dual - SC Duplex, Multimode	557322	–	–	–	X	–	–	X	–
AFWM Flush Faceplates	Quad - ST, Multimode	557474	–	–	–	–	X	–	–	X
Optical Fiber MUO Mod	MT-RJ Jack, Single-mode/Multimode	1375347	X**	X	–	–	–	–	–	–
Optical Fiber MUO Mod	SC Duplex, Multimode	406818	–	–	–	X	–	–	X	–
Optical Fiber MUO Mod	SC Duplex to Dual ST, Multimode	406819	–	–	–	X	X	–	X	X
Optical Fiber MUO Mod	Dual ST, Multimode	406820	–	–	–	–	X	–	–	X

*Note: SL Series MT-RJ Outlet Jacks come with SL Series MT-RJ Housing.

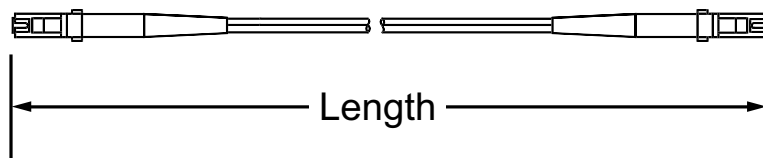
**Note: SL Series Housing is not used when using SL Series MT-RJ Outlet Jacks with MT-RJ Parallel Dress Clips or MT-RJ Jack MUO Modules.

XG OM3 & OM4 (50/125 μm) Multimode

Jack, Plug and Insert Compatibility List

Test Description		FOTP*	Requirement
Visual and Mechanical Inspection:	MT-RJ	13	TIA/EIA-604-12 (FOCIS 12)
Visual and Mechanical Inspection:	SC	13	TIA/EIA-604-3 (FOCIS 3)
Visual and Mechanical Inspection:	ST	13	TIA/EIA-604-2 (FOCIS 2)
Visual and Mechanical Inspection:	LC	13	TIA/EIA-604-10 (FOCIS10)
Attenuation		34	< 0.75 dB
Return Loss		107	< -20 dB
Low Temperature (0° C for 4 days)		188	< 0.3 dB change
Temperature Life (55° C for 14 days)		7	< 0.3 dB change
Humidity (90 to 95% @ 40° C for 4 days)		5	< 0.3 dB change
Impact (8 drops from 1.8 m)		2	< 0.75 dB IL, < -20 dB RL
Durability (500 cycles)		21	< 0.75 dB IL, < -20 dB RL
Cable Retention (0° and 90°)		6	< 0.75 dB IL, < -20 dB RL
Flex (100 cycles)		1	< 0.75 dB IL, < -20 dB RL
Twist (10 cycles)		36	< 0.75 dB IL, < -20 dB RL

Optical Fiber Cable Assembly Length Reference



Meter to Foot and Inch Reference

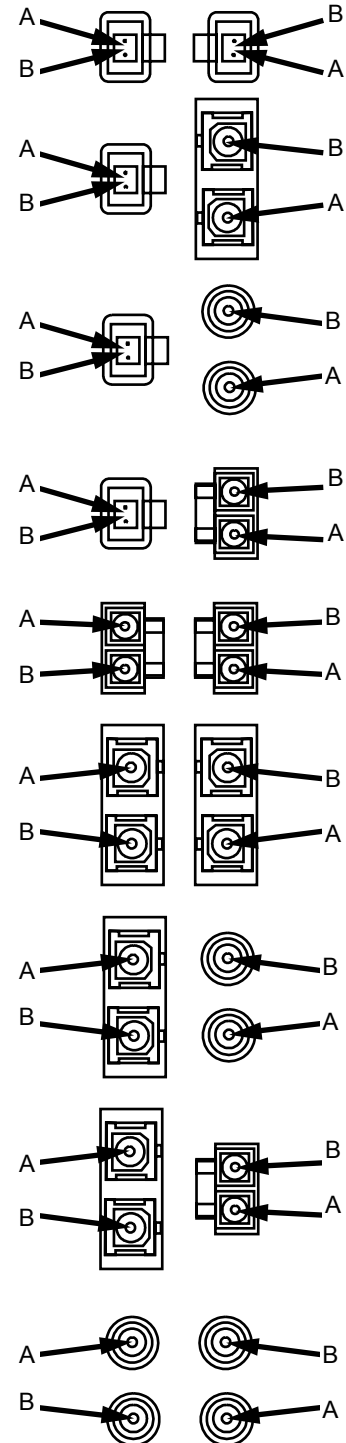
Length in Meters	Length in Feet	Length in Inches
1	3.28	39.37
2	6.56	78.74
3	9.84	118.11
4	13.12	157.48
5	16.40	196.85
6	19.68	236.21
7	22.96	275.59
8	26.25	314.96
9	29.52	354.33
10	32.80	393.70
20	65.62	787.40
30	98.42	1181.10
40	131.23	1574.80
50	164.04	1968.50
60	196.85	2362.20
70	229.66	2755.90
80	262.47	3149.60
90	295.27	3543.30
100	328.08	3937.00
110	360.89	4330.69
120	393.70	4724.39
130	426.51	5118.09
140	459.32	5511.79
150	492.12	5905.49
160	524.93	6299.19
170	557.74	6692.89
180	590.55	7086.59
190	623.36	7480.29
200	656.17	7873.99

Note: Conversion chart is for reference only and does not imply actual assembly length.

Fiber Polarity

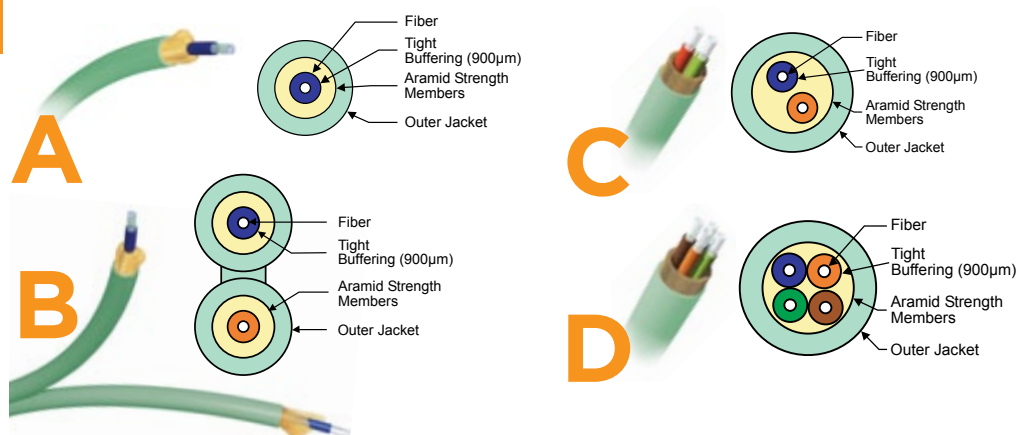
Fiber Color	End 1 Connector	End 2 Connector
White	A	B
Blue	B	A

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XG OM3 & OM4 Multimode Optical Fiber Interconnect Cable

07

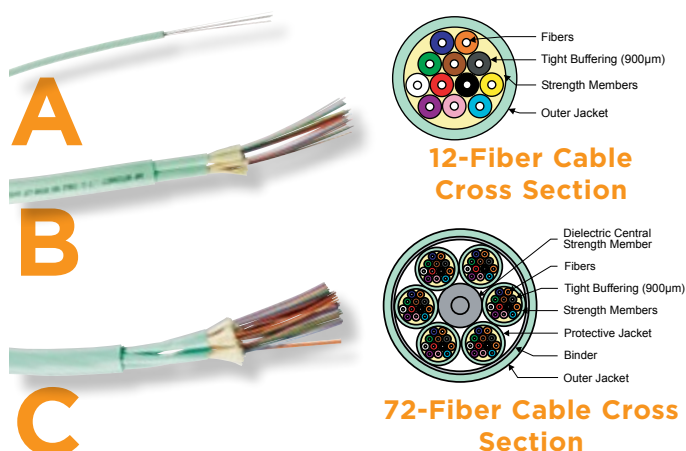


- Suitable for direct termination with epoxy/polish, LightCrimp, LightCrimp PLUS, and MT-RJ jacks for use in pigtails, and patch cords
- Simplex and zipcord cables are additionally suitable for use in internal equipment connections
- Aramid yarn reinforcement
- UL and cUL listed OFNR (Riser) or OFNP (Plenum)
- Outer jacket color: aqua
- Hybrid cables and other jacket colors are available
- See Customer Specification 114-92001 at www.ampnetconnect.com for additional information



Cable Type	Fiber Count	Unit Count Units (Fibers/Unit)	Figure	XG OM3 Riser (OFNR)	XG OM3 Plenum (OFNP)	XG OM4 Riser (OFNR)	XG OM4 Plenum (OFNP)
Simplex (2.0mm)	1	1 (1)		3-1553406-9	3-1553407-9	4-1553406-9	4-1553407-9
Simplex (2.9mm)	1	1 (1)	A	3-1553408-9	3-1553409-9	4-1553408-9	4-1553409-9
Zipcord (2.0mm)	2	2 (1)		3-1553410-9	3-1553411-9	4-1553410-9	4-1553411-9
Zipcord (2.9mm)	2	2 (1)	B	3-1553412-9	3-1553413-9	4-1553412-9	4-1553413-9
Dual (2.9 mm)	2	1 (2)	C	3-1553414-9	3-1553415-9	4-1553414-9	4-1553415-9
Dual (4.8 mm)	2	1 (2)		3-1553416-9	3-1553417-9	4-1553416-9	4-1553417-9
Quad (4.8 mm)	4	1 (4)	D	3-1553418-9	3-1553419-9	4-1553418-9	4-1553419-9

XG OM3 & OM4 Multimode Optical Fiber Distribution Cable



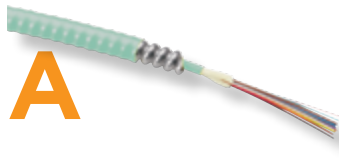
- Suitable for horizontal and in-building backbone cabling and for direct termination with epoxy/polish, LightCrimp, LightCrimp PLUS and MT-RJ jacks
- Strippable 900 μm tight buffer coating allows for easy connectorization
- TIA color-coded fibers for easy identification
- UL and cUL listed OFNR (Riser) or OFNP (Plenum)
- Outer jacket color: aqua
- Hybrid cables and other jacket colors are available
- See Customer Specification 114-92000 at www.ampnetconnect.com for additional information



Fiber Count	Unit Count Unit (Fibers/Unit)	Figure	XG OM3 Riser (OFNR)	XG OM3 Plenum (OFNP)	XG OM4 Riser (OFNR)	XG OM4 Plenum (OFNP)
6	1 (6)	A	3-1553307-9	3-1553308-9	4-1553307-9	4-1553308-9
8	1 (8)		3-1553309-9	3-1553310-9	4-1553309-9	4-1553310-9
12	1 (12)		3-1553311-9	3-1553312-9	4-1553311-9	4-1553312-9
	1 (24)		3-1553313-9	3-1553314-9	4-1553313-9	4-1553314-9
24	2 (12)	B	3-1553315-9	3-1553316-9	4-1553315-9	4-1553316-9
	4 (6)		3-1553317-9	3-1553318-9	4-1553317-9	4-1553318-9
36	6 (6)		3-1553319-9	3-1553320-9	4-1553319-9	4-1553320-9
48	4 (12)	C	3-1553321-9	3-1553322-9	4-1553321-9	4-1553322-9
72	6 (12)		3-1553323-9	3-1553324-9	4-1553323-9	4-1553324-9
96	8 (12)		3-1553325-9	3-1553326-9	4-1553325-9	4-1553326-9
144	12 (12)		3-1553327-9	3-1553328-9	4-1553327-9	4-1553328-9

XG OM3 & OM4 (50/125 μm) Multimode

XG OM3 & OM4 Multimode Interlocking Armor Optical Fiber Distribution Cable

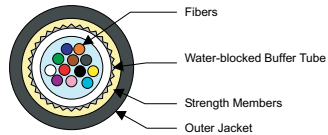
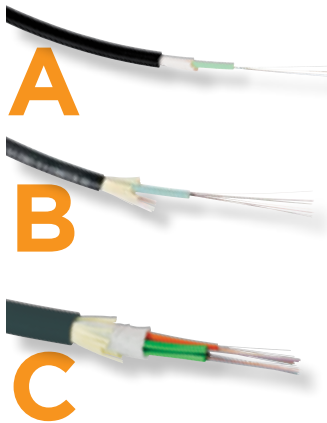


- Robust construction provides extra protection for optical fibers
- Interlocking armor enhances flexibility
- Lightweight aluminum armor simplifies handling
- Installer-friendly plenum rated over-jacketing makes cable pulls easier
- Outer/over jacketing color: aqua
- Hybrid cables and other jacket colors are available
- Pending local codes, may eliminate the need for innerduct
- OFCP (Plenum) rated
- TIA Color Coded fibers
- Strippable 900 μm tight buffer coating allows for easy connectorization
- Indoor/Outdoor and specialty versions available

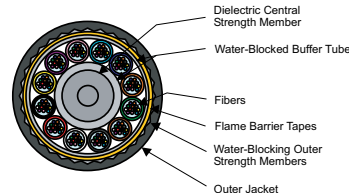
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Fiber Count	Unit Count Units (Fibers/Unit)	Figure	UL/NEC Ratings	XG OM3	XG OM4
6	1 (6)	A	Plenum (OFCP)	3-1777121-7	7-1777121-7
12	1 (12)		Plenum (OFCP)	3-1777117-7	7-1777117-7
24	1 (24)		Plenum (OFCP)	3-1553420-9	4-1553420-9
	2 (12)		Plenum (OFCP)	3-1777122-7	7-1777122-7
48	4 (12)		Plenum (OFCP)	3-1777123-7	7-1777123-7
72	6 (12)		Plenum (OFCP)	3-1777124-7	7-1777124-7

XG OM3 & OM4 Multimode Optical Fiber Indoor/Outdoor Cable



12-Fiber Cable Cross Section



144-Fiber Cable Cross Section

- Suitable for in-building and inter-building backbone cabling
- Can eliminate the need for a transition point and splicing when entering buildings - go directly from outdoors into building riser or plenum spaces
- Water-blocked buffer tube for water penetration protection
- Flame-retardant UV-protected jacket for harsh outdoor environments
- All-dielectric construction
- UL and cUL listed OFNR (Riser) or OFNP (Plenum)
- Single loose tube cables:
 - TIA color-coded fibers for easy identification
 - Water-blocked buffer tube for water penetration protection
 - Small diameter single tube construction saves space inside ducts
- Stranded loose tube cables:
 - Outer Jacket Color is Black for all Fiber Types
 - Hybrid cables and other jacket colors are available
 - Reverse oscillating lay construction for easy midspan access
 - Dry water blocking technology
 - TIA color-coded fibers in TIA color-coded tubes for easy identification
- See Customer Specification 114-92002 at: www.ampnetconnect.com for additional information



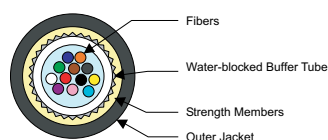
Cable Type	Fiber Count	Unit Count Unit (Fibers/Unit)	Figure	XG OM3 Riser (OFNR)	XG OM3 Plenum (OFNP)	XG OM4 Riser (OFNR)	XG OM4 Plenum (OFNP)
Single Loose Tube	6	1 (6)	A	6-1553342-4	6-1553343-4	6-1553342-5	6-1553343-5
	8	1 (8)		6-1553344-4	6-1553345-4	6-1553344-5	6-1553345-5
	12	1 (12)	B	6-1553346-4	6-1553347-4	6-1553346-5	6-1553347-5
Stranded Loose Tube	24	2 (12)		6-1553348-4	6-1553349-4	6-1553348-5	6-1553349-5
	36	3 (12)		6-1553350-4	6-1553351-4	6-1553350-5	6-1553351-5
	48	4 (12)	C	6-1553352-4	6-1553353-4	6-1553352-5	6-1553353-5
	72	6 (12)		6-1553354-4	6-1553355-4	6-1553354-5	6-1553355-5
	96	8 (12)		6-1553356-4	6-1553357-4	6-1553356-5	6-1553357-5
	144	12 (12)		6-1553358-4	6-1553359-4	6-1553358-5	6-1553359-5

XG OM3 & OM4 Multimode Optical Fiber Outside Plant (OSP) Cable

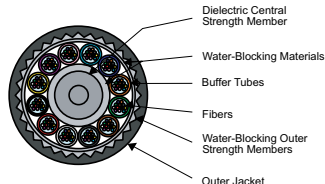
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12-Fiber Cable Cross Section



144-Fiber Cable Cross Section

- Suitable for inter-building backbone cabling (aerial, duct or direct burial)
- Dry water-blocking technology
- UV-protected jacket for harsh outdoor environment
- Low friction jacket for ease of pulling through ducts
- All-dielectric construction
- Outer Jacket Color is Black
- See Customer Specification 114-92003 at: www.ampnetconnect.com for additional information
- Single loose tube cables:
 - TIA color-coded fibers for easy identification
 - Small diameter single tube construction saves space inside ducts
- Stranded loose tube cables:
 - Reverse oscillating lay construction for easy midspan access
 - TIA color-coded fibers and buffer tubes for easy identification

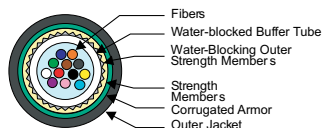
Fiber Count	Unit Count Units (Fibers/Unit)	Figure	XG OM3	XG OM4
4	1 (4)		6-1553386-4	6-1553386-5
6	1 (6)		6-1553387-4	6-1553387-5
8	1 (8)		6-1553388-4	6-1553388-5
12	1 (12)		6-1553389-4	6-1553389-5
24	2 (12)		6-1553390-4	6-1553390-5
36	3 (12)		6-1553391-4	6-1553391-5
48	4 (12)		6-1553392-4	6-1553392-5
72	6 (12)		6-1553393-4	6-1553393-5
96	8 (12)		6-1553394-4	6-1553394-5
144	12 (12)	A	6-1553395-4	6-1553395-5

XG OM3 & OM4 Multimode Optical Fiber Outside Plant Armored (OSPA) Cable

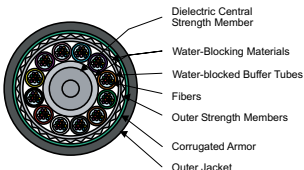


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B



12-Fiber Cable Cross Section



144-Fiber Cable Cross Section

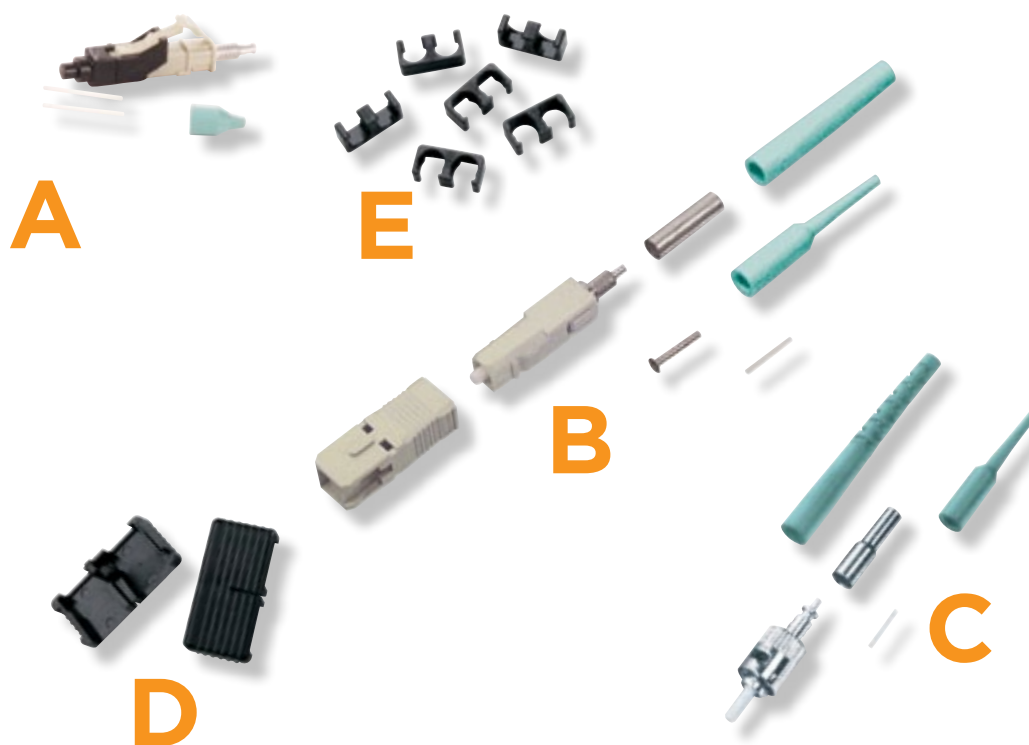
- Suitable for inter-building backbone cabling (aerial, duct or direct buried)
- Dry water-blocking technology
- UV-protected jacket for harsh outdoor environment
- Low friction jacket for ease of pulling through ducts
- Corrugated steel tape armor for rugged environments and rodent protection
- Outer Jacket Color is Black for all Fiber Types
- See Customer Specification 114-92003 at: www.ampnetconnect.com for additional information
- Single loose tube cables:
 - TIA color-coded fibers for easy identification
 - Small diameter single tube construction saves space inside ducts
- Stranded loose tube cables:
 - TIA color-coded fibers and buffer tubes for easy identification
 - Reverse oscillating lay construction for easy midspan access
 - Hybrid cables (with single-mode and multimode fibers) are available to provide a built-in migration path for future applications that will require single-mode fibers

Cable Type	Fiber Count	Unit Count Units (Fibers/Unit)	Figure	XG OM3	XG OM4
Single Loose Tube	4	1 (4)		6-1553396-4	6-1553396-5
	6	1 (6)	A	6-1553397-4	6-1553397-5
	8	1 (8)		6-1553398-4	6-1553398-5
	12	1 (12)		6-1553399-4	6-1553399-5
Stranded Loose Tube	24	2 (12)		6-1553400-4	6-1553400-5
	36	3 (12)		6-1553401-4	6-1553401-5
	48	4 (12)	B	6-1553402-4	6-1553402-5
	72	6 (12)		6-1553403-4	6-1553403-5
	96	8 (12)		6-1553404-4	6-1553404-5
	144	12 (12)		6-1553405-4	6-1553405-5

XG OM3 & OM4 (50/125 μm) Multimode

XG OM3 & OM4 Multimode LightCrimp PLUS Connectors (No-epoxy/No-polish)

07

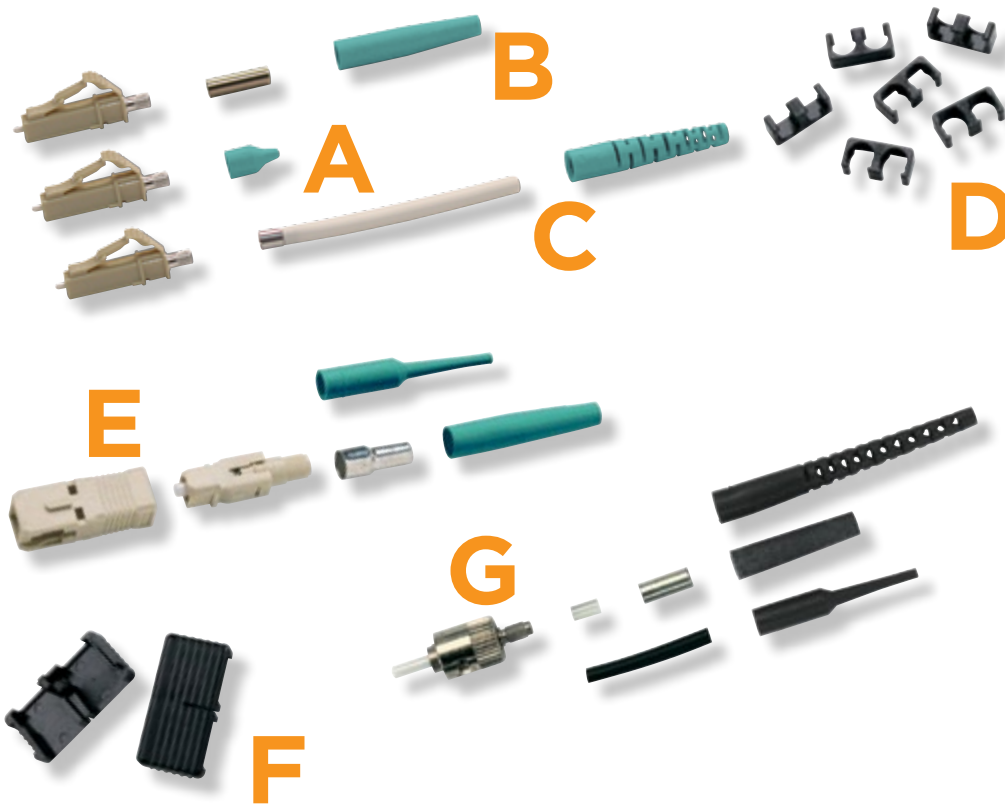


- Easy installation:
- No epoxy, no polishing
- No bench tool required
- Strip, cleave, and crimp
- Match fiber type of cable to fiber type of LightCrimp PLUS
- Mates with standard couplers, adapters, and adapter plates
- LC small form factor design is half the size of SC
- Select appropriate part number for termination to:
 - 900 μm tight-buffered fiber or 250 μm coated fiber
 - 1.6 – 2.0 mm jacketed fiber
 - 3 mm jacketed fiber
- LC connector clip turns simplex connectors into duplex connectors and allows for polarity correction after termination
- Termination tool kits in Chapter 22

Connector Type	Housing Color	Boot Color	Used With	Figure	Part Number
LC Simplex	Beige	Aqua	900 μm buffered and 250 μm coated fibers	A	6754483-4
			1.6 to 2.0 mm Jacketed Cable		1918627-3
SC Simplex	Beige	Aqua	900 μm buffered fibers, 250 μm coated fibers, and 3 mm Jacketed Cable	B	6588291-2
ST	Metallic	Aqua	900 μm buffered fibers, 250 μm coated fibers, and 3 mm Jacketed Cable	C	6278082-2
Duplex LC Clip, package of 6	Black	–	Simplex LC Connectors	D	1754371-2
1/2 Duplex SC Clip (two are required to make a complete clip)	Black	–	Simplex SC Connectors	E	6348522-1

XG OM3 & OM4 Multimode Epoxy/Polish Connectors

07



- Each connector kit comes with accessories needed to terminate to 250 μm fiber, 900 μm tight-buffered fiber, 900 μm easy-strip, buffer tube splitter kits, 2 mm or 3 mm cable (select appropriate part number)
- Suitable for use with heat-cured or anaerobic (quick cure) adhesive
- See Instruction Sheet for recommended anaerobic adhesive
- Mates with standard couplers, adapters, and adapter plates
- LC small form factor design is half the size of SC
- Pre-radiused ceramic ferrules for easy polishing
- Duplex SC can be assembled using two Simplex SC connectors and one duplex clip
- Boot type and coupling nut options (select appropriate part number)

Description	Housing Color	Boot Color	Used With	Figure	Part Number
LC Simplex	Beige	Aqua	900 μm buffered and 250 μm coated fibers	A	1918385-3
			1.6 to 2 mm Jacketed Cable	B	1918267-3
			3.0 mm Jacketed Cable	C	1918375-3
Duplex LC Clip, package of 6	Black	—	Simplex LC Connectors	D	1754371-2
SC Simplex	Beige	Aqua	900 μm buffered fibers, 250 μm coated fibers, and 3 mm Jacketed Cable	E	1-5503948-1
			3 mm Jacketed Cable		1-5503948-0
			900 μm buffered and 250 μm coated fibers	E	5504932-5
			2 mm Jacketed Cable		5504931-5
½ Duplex SC Clip (two are required to make a complete clip)	Black	—	Simplex SC Connectors	F	6348522-1
ST	Black	Black	900 μm buffered fibers, 250 μm coated fibers, and 3 mm Jacketed Cable		5503571-3
			900 μm buffered fibers, 250 μm coated fibers, and 3 mm Jacketed Cable	G	5492458-1
	Metallic	Black	3 mm Jacketed Cable		1-5501380-6
			900 μm buffered fibers, 250 μm coated fibers, and 3 mm Jacketed Cable	G	5501380-1

XG OM3 & OM4 (50/125 μm) Multimode



XG OM3 & OM4 Multimode MT-RJ Jacks (No-epoxy/No-polish)

07



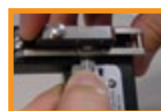
MT-RJ Patch Panel Jacks

MT-RJ Outlet Jack

SL Series Housing (Gray)



Strip



Cleave



Lock

- Patch panel jacks terminate either two 900 μm tight-buffered fibers or two 250 μm coated fibers (select appropriate part number)
- Outlet jacks terminate two 900 μm tight-buffered fibers
- Match fiber type of cable to fiber type of MT-RJ Jack
- No epoxy, no polishing, no crimping
- Two fibers in one ferrule
- Jacks can be reterminated improving yield
- Tunable
- No bench tool required
- Small form factor design is half the size of SC duplex
- Jack design eliminates need for MT-RJ Coupler
- Each Outlet Jack part number includes:
 - One MT-RJ jack
 - One actuation tool
 - One bend-limiting boot
 - One SL Series Housing - allows use in any faceplate or outlet that accepts SL Series Jacks
- Each patch panel jack part number includes:
 - Six patch panel jacks
 - Two actuation tools
 - One Fiber guide
 - One Icon wheel
- SL Series housing and bend limiting boot are also available separately

Description	Jack Color	SL Series Housing Color	For Use With	
			900 μm Tight-buffered Fibers	250 μm Coated Fibers
MT-RJ Patch Panel Jack	Gray	—	6588880-3	6278303-4
MT-RJ Outlet Jack	Gray	Gray	1-6278414-2	—

XG OM3 & OM4 Multimode MT-RJ Jack Accessories

07

A



B



- Parallel Dress Clips:
 - 1-Port clip holds one MT-RJ Jack (sold separately)
 - 2-Port clip holds two MT-RJ Jacks (sold separately)
 - Allow use of MT-RJ Jacks in faceplates and outlets that hold flanged optical fiber adapters



- Bend Limiting Boots:
 - Compatible with all MT-RJ Jacks
 - Comes in a package of six
 - Protects fiber transition at back of MT-RJ Jack



D



- SL Series housing easily snap into SL Series Modules, mounting straps, patch panels, and faceplates
- SL Series housing accepts one MT-RJ Jack sold separately
- MT-RJ Outlet Jacks not included with any accessory listed here

Description		Package Quantity	Figure	SL Series Housing Color	Part Number
Parallel Dress Clip	1-Port (Accepts 1 MT-RJ Jack)	6	A	—	1374206-1
	2-Port (Accepts 2 MT-RJ Jacks)	3	B	—	1374205-1
Bend Limiting Boot	Black	6	C	—	6374208-4
				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
SL Series Housing	1-Port (Accepts 1 MT-RJ Jack)	1	D	Brown	2-1374416-5
				Slate	2-1374416-6

LightCrimp Splice

A



B



Insert First Fiber and Complete Buffer Crimp



Insert Second Fiber and Actuate Crimp

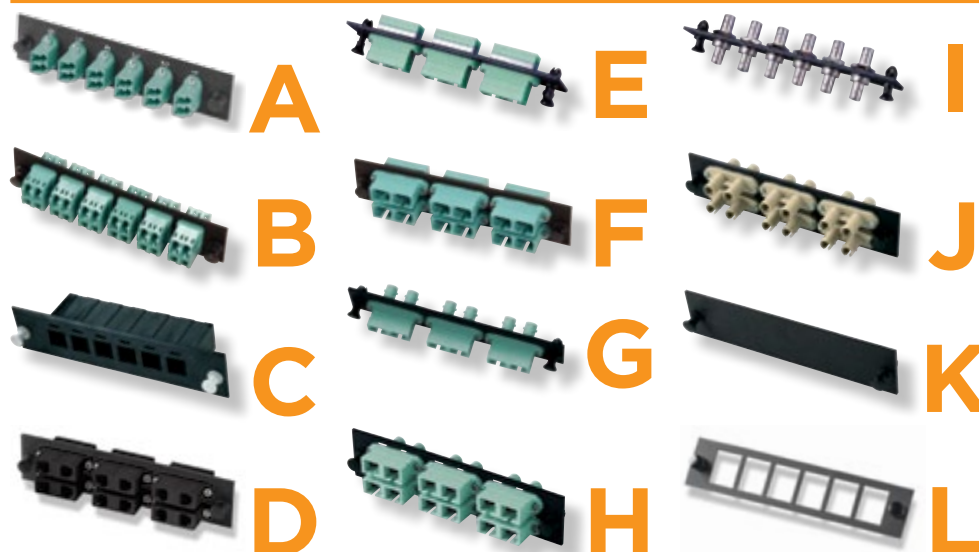


Complete Second Buffer Crimp and Remove Splice from Tool

- Terminates 250 μm coated, 900 μm tight-buffered, and 2.0 mm jacketed fibers
- Use with multimode and single-mode 125 μm diameter fibers
- No epoxy, set-up, or workstation required
- Use Termination Tool Kit part number 1553212-1, See Chapter 22
- Splice Performance Characteristics:
 - Attenuation: Typical 0.1 dB
 - Return Loss: (at ambient: 18 to 28° C) >20 dB Multimode >35 dB Single-mode
 - Operating Temperature: -25 to 70° C
 - Tensile Retention:
 - 250 μm coated: 2.0 N
 - 900 μm buffered: 3.0 N
 - Jacketed: 50 N

Description	Figure	Part Number
LightCrimp Splice for 250 μm Coated and 900 μm tight-buffered Fibers	A	1985374-1
LightCrimp Splice for 2.0 mm Jacketed Fiber	B	1985805-1

XG OM3 & OM4 Multimode Snap-in Adapter Plates

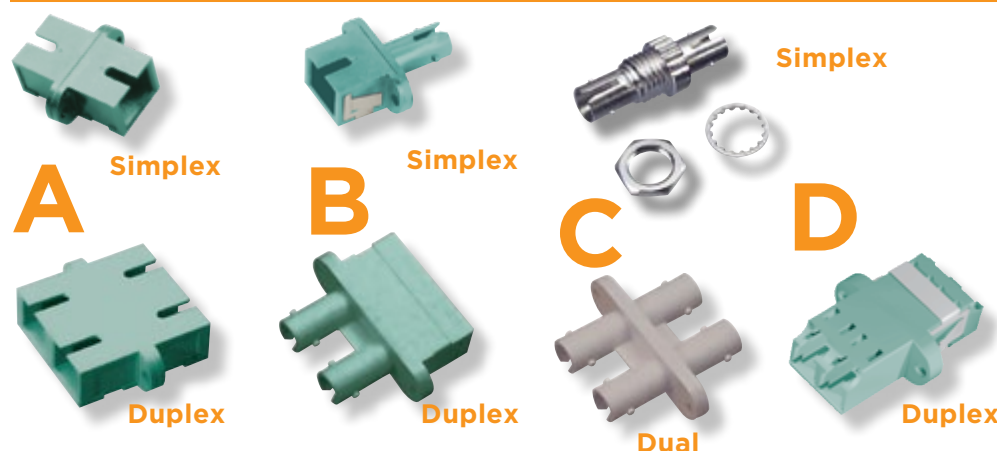


- All Snap-in Adapter Plates fit AMP NETCONNECT unloaded Optical Fiber Enclosures, see Chapter 15
- MT-RJ Jack Adapter Plates:
 - Hold up to six (6) MT-RJ (standard or secure) Jacks or Pigtail Jack Cable Assemblies
 - Accepts labeling icons
- MT-RJ Plug Adapter Plates hold up to twelve (12) MT-RJ Plugs (standard only)
- Package quantity = 1 per pack
- SL Series multimedia adapter plates accept SL Series jacks and inserts

07

Coupling Adapter	Fibers	Duplex Ports	Coupler Count	Adapter Color	Figure	Part Number
LC Duplex	12	6	6	Aqua	A	1374463-5
	24	12	12	Aqua	B	1435516-5
MT-RJ, Holds 6 Jacks	12	6	—	—	C	1278328-3
MT-RJ, 12 Plugs	24	12	—	Black	D	1435440-2
SC Simplex	6	3	3	Aqua		559517-8
	6	3	3	Aqua	E	559558-6
SC Duplex	12	6	6	Aqua	F	559596-6
	6	3	3	Aqua	G	559601-5
SC Duplex to Dual ST	12	6	6	Aqua	H	1278368-3
	6	3	6	Metallic	I	559557-1
ST	12	6	6	Beige	J	1278567-1
MPO	—	—	6	Black		1374598-1
Blank	—	—	—	—	K	559523-1
SL Series Multimedia Adapter Plate	—	—	—	—	L	1479506-1

XG OM3 & OM4 Multimode Couplers & Adapters



- MT-RJ Couplers mate multimode or single-mode MT-RJ Plugs
- Duplex coupler mates four MT-RJ Plugs (4-fibers total, 2-fibers/mated pair)
- Simplex coupler mates two MT-RJ Plugs (2-fibers total, 2-fibers/mated pair)
- Mounting screws are available for couplers with mounting tabs (flanged)
- FOCIS - compliant designs

Description	Color	Figure	Simplex	Duplex
MT-RJ Coupler	Almond		1278017-1	6374906-1
SC Coupler	Aqua	A	2-5502632-4	2-5502776-6
SC to ST Coupling Adapter	Aqua	B	2-5502780-1	1-5503137-9
ST Coupler	Metallic/Beige	C	501381-1	504662-2
LC Coupler	Aqua	D	—	1-6457567-6

XG OM3 & OM4 Multimode LC Cable Assemblies

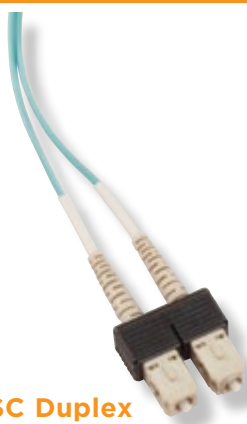
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LC Duplex



MT-RJ



SC Duplex



Dual ST

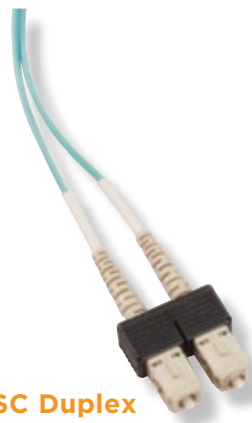
- LC, SC and ST connectors feature ceramic ferrules
- Cable assemblies are riser (OFNR) rated
- Each MT-RJ Connector houses two fibers
- Other lengths available, see customer drawings for details
- Aqua cable jacketing

Connector		Fiber Type	Length				
End 1	End 2		1 m	2 m	3 m	5 m	10 m
LC Duplex	LC Duplex	XG OM3 Multimode	6828317-1	6828317-2	6828317-3	6828317-5	1-6828317-0
		XG OM4 Multimode	1553446-1	1553446-2	1553446-3	1553446-5	1-1553446-0
	MT-RJ	XG OM3 Multimode	1907440-1	1907440-2	1907440-3	1907440-5	1-1907440-0
		XG OM4 Multimode	1907438-1	1907438-2	1907438-3	1907438-5	1-1907438-0
	SC Duplex	XG OM3 Multimode	1553447-1	1553447-2	1553447-3	1553447-5	1-1553447-0
		XG OM4 Multimode	1906839-1	1906839-2	1906839-3	1906839-5	1-1906839-0

XG OM3 Multimode MT-RJ Cable Assemblies



MT-RJ

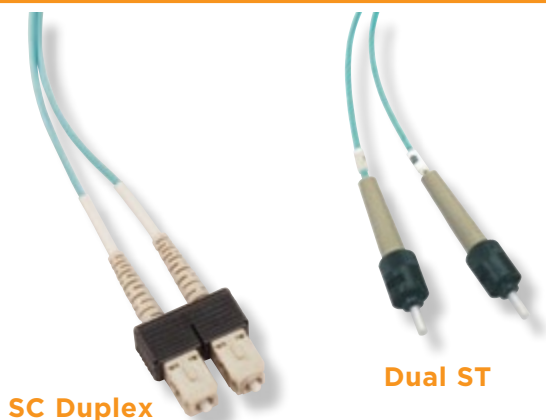


SC Duplex

- SC and ST connectors feature ceramic ferrules
- Cable assemblies are riser (OFNR) rated
- Each MT-RJ Connector houses two fibers
- Other lengths available, see customer drawings for details
- Aqua cable jacketing

Connector		Fiber Type	Length				
End 1	End 2		1 m	2 m	3 m	5 m	10 m
MT-RJ	MT-RJ	XG OM3 Multimode	6588572-1	6588572-2	6588572-3	6588572-5	1-6588572-0
	SC Simplex	XG OM3 Multimode	6588573-1	6588573-2	6588573-3	6588573-5	1-6588573-0
	SC Duplex	XG OM3 Multimode	1907429-1	1907429-2	1907429-3	1907429-5	1-1907429-0

XG OM3 Multimode SC Cable Assemblies



- SC and ST connectors feature ceramic ferrules
- Cable assemblies are riser (OFNR) rated
- Other lengths available, see customer drawings for details
- Aqua cable jacketing

07

Connector		Length				
End 1	End 2	1 m	2 m	3 m	5 m	10 m
SC Duplex	SC Duplex	6828151-1	6828151-2	6828151-3	6828151-5	1-6828151-0
	ST (Dual)	1907339-1	1907339-2	1907339-3	1907339-5	1-1907339-0

XG OM3 Multimode ST Cable Assemblies



- Connectors feature ceramic ferrules
- Cable assemblies are riser (OFNR) rated
- Other lengths available, see customer drawings for details
- Aqua cable jacketing

Connector		Length				
End 1	End 2	1 m	2 m	3 m	5 m	10 m
ST (Dual)	ST (Dual)	1907557-1	1907557-2	1907557-3	1907557-5	1-1907557-0

XG OM3 Multimode Pigtail (Single-Ended) Cable Assemblies

- Splice-able pigtail assemblies
- 250 μm coated fiber in protective 900 μm tubing
- Compatible with fusion or mechanical splices
- Each MT-RJ Connector houses two fibers
- MT-RJ Plugs are pinned

Connector End	Cable Type	Length		
		1 m	2 m	3 m
LC Simplex	2.0 mm Jacketed With One 250 μm coated fiber in protective 900 μm tubing	6754402-1	—	—
MT-RJ Jack, Black Housing	Dual 250 μm coated fibers in 900 μm tubing	1938008-1	1938008-2	1938008-3
MT-RJ Plug, Black	Dual 250 μm coated fibers in 900 μm tubing	1985275-1	1985275-2	1985275-3

XG (50 μm) Multimode LC Test Kits

07

- Test Kits includes:
 - Cable Assemblies
 - LC Duplex Clips
 - Mandrels
 - Carrying case
- Test Kits for LC SECURE Connector Systems also available
- See "FIELD TESTING LC OPTICAL FIBER SYSTEMS" White Paper (available on-line at www.ampnetconnect.com) for test details

Description

Description	Part Number
For use with Dual Fiber Testers with SC Transmit and LC Recieve Ports	1828867-1
For use with Dual Fiber Testers with ST Transmit and LC Recieve Ports	1828867-2
For use with Dual Fiber Testers with LC Transmit and LC Recieve Ports	1828867-3

XG (50 μm) Multimode Replacement Components for LC Test Kits

- Assemblies are 3m in length
- Assemblies are Simplex style
- Cable Assemblies are riser (OFNR) rated

Description

Description	Part Number
Mandrels (Transmit side only)	1435119-1
LC Duplex Clips (pack of 6)	1754371-2
SC to LC Simplex Assembly, 3m	1907490-3
ST to LC Simplex Assembly, 3m	1907493-3
LC to LC Simplex Assembly, 3m	1907496-3

XG OM3 & OM4 Multimode MT-RJ OTDR Test Assemblies

- For use in testing with an OTDR test set
- All assemblies are 100m in length
- For XG OM3 and OM4 fiber testing, use standard 50 μm multimode products

Description

Description	Connector End 1	Connector End 2	Part Number
Launch Lead	MT-RJ	Dual SC Simplex	6588080-1
		Dual ST	6588078-1

XG OM3 & OM4 Multimode MT-RJ Loopbacks

Description

Description	Part Number
MT-RJ Loopback	6278357-1

XG OM3 & OM4 Multimode MT-RJ Test Kits



- Each test kit includes:
 - 1 - MT-RJ Adapter
 - 2 - MT-RJ (no pins) to SC simplex or ST cable assemblies
 - 1 - MT-RJ (with pins) to SC simplex or ST cable assembly
 - 1 - MT-RJ to MT-RJ cable assembly
 - 2 - Mandrels
 - 1 - Carrying case
- Test Kits for MT-RJ SECURE Connector Systems also available
- See "MT-RJ OPTICAL FIBER SYSTEMS TESTING" White Paper (available on-line at www.ampnetconnect.com) for details
- For XG OM3 and OM4 fiber testing, use standard 50 μm multimode products

Equipment Transmit Port

Equipment Transmit Port	Part Number
SC	1278861-1
ST	1278861-2

Replacement Components for XG OM3 & OM4 Multimode MT-RJ Test Kits

- All assemblies are 4 m in length
- Pinned MT-RJ Cable Assemblies are used for testing only
- Cable Assemblies are riser-rated
- For XG OM3 and OM4 fiber testing, use standard 50 μm multimode products

Description

Description	Connector End 1	Connector End 2	Part Number
	Unpinned MT-RJ	Unpinned MT-RJ	6435096-2
	Unpinned MT-RJ	SC	6435092-2
Replacement Cable Assemblies	Unpinned MT-RJ	ST-style	6435094-2
	Pinned MT-RJ	SC	6435092-5
	Pinned MT-RJ	ST-style	6435094-5
Replacement Coupler	MT-RJ Plug	MT-RJ Plug	1278017-1
Replacement Mandrel	Set of two, for 50/125 μm Fibers	–	1435119-2

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	Auckland 64-9-634-4580	Italy 39-011-4012-111
	Wellington 64-4-384-1495	Kazakhstan 7-327-244-5875
	Philippines 632-848-0171	Latvia 370-5-213-14-02
	Singapore 65-482-0311	For Eastern European Countries not shown 49-6103-709-1166
	Taiwan 886-2-87682788	For Middle East/African Countries not shown 33-1-3420-2122
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	Vietnam 848-9305-546	

Tyco Electronics Corporation AMP NETCONNECT Global Offices:

North America

Harrisburg, PA, USA
Ph: +1-800-553-0938
Fx: +1-717-986-7406

Europe

Kessel-Lo, Belgium
Ph: +32-16-352-300
Fx: +32-16-352-353

Mid East & Africa

Cergy-Pontoise, France
Ph: +33-1-3420-2122
Fx: +33-1-3420-2268

Latin America

Buenos Aires, Argentina
Ph: +54-11-4733-2200
Fx: +54-11-4733-2282

Asia

Hongkong, China
Ph: +852-2735-1628
Fx: +852-2735-1625

Pacific

Sydney, Australia
Ph: +61-2-9407-2600
Fx: +61-2-9407-2519

Tyco Electronics Corporation AMP NETCONNECT North American Offices:

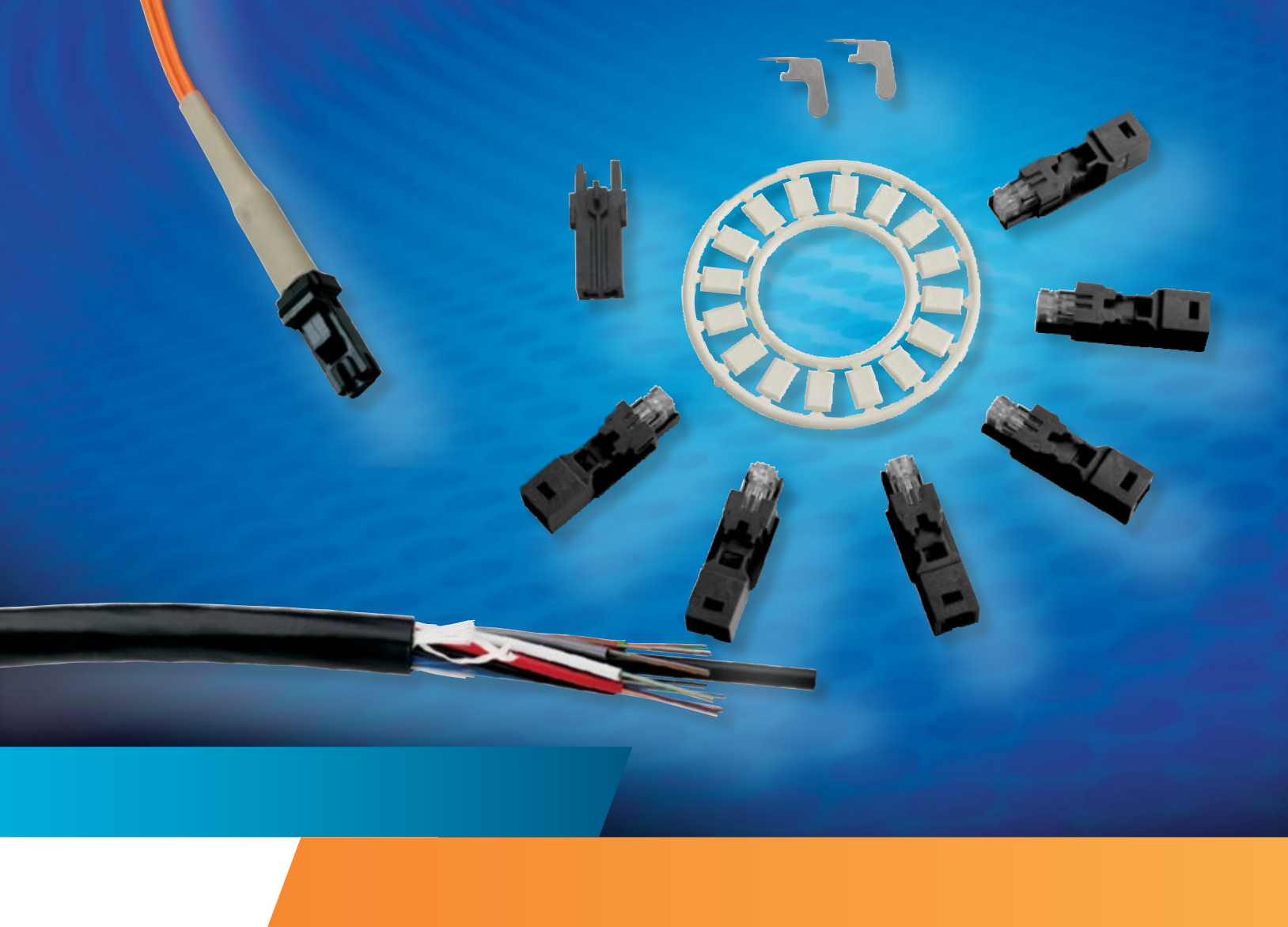
United States

Greensboro, NC, USA
Ph: +1-800-553-0938
Fx: +1-717-986-7406

Canada

Markham, Ontario, Canada
Ph: 905-475-6222
Fx: 905-474-5519





OM2 (50/125 μm) Multimode Optical Fiber Products





25 Year System Performance Coverage*

We are confident that your AMP NETCONNECT cabling system will keep performing to current TIA/EIA industry standards. If the registered system ever fails to meet those standards within 25 years of the date of installation, we'll provide the reasonable parts and labor to replace or repair the AMP NETCONNECT product.



25 Year Component Coverage*

Tyco Electronics also offers a 25 Year Component Warranty to protect individual AMP NETCONNECT cabling system components. If a component fails within 25 years of the date of installation, we'll provide the reasonable parts to replace or repair the registered AMP NETCONNECT product.

It's Standard Equipment

This coverage is automatically part of the package when*:

- AMP NETCONNECT products are specified end-to-end
- A Tyco Electronics authorized NETCONNECT Design & Installation (ND&I) contractor registers the network project with Tyco Electronics
- That ND&I performs the actual installation in accordance with Tyco Electronics requirements

Who's Covered

Unlike most systems suppliers, Tyco Electronics provides warranty coverage directly to the end user. Many suppliers provide coverage to the installers, who then provide coverage to the customer. But with Tyco Electronics warranties, there are no middlemen. The warranties are between you and Tyco Electronics.

For more information, please visit: <http://www.tycoelectronics.com/aboutus/pdf/tc.pdf>

Or call: 1-800-553-0938

Outside the U.S., please contact your local AMP NETCONNECT product sales office.

People & Products to Answer the Cabling Challenge.

Cabling a retail store, casino or office building can be complex. Yet the solution for productive connectivity and cable management can be as simple as talking to the right people - The AMP NETCONNECT business unit of Tyco Electronics.

The reason is what we bring to the building infrastructure challenges you face. In-depth technical knowledge and expertise from decades of experience. Innovative technologies from ongoing R&D. And quality products for every power, data, voice and video networking need. One of the broadest lines in the industry, in fact.

Additionally, it's what we do to answer the challenge: develop and deliver integrated, made-to-order solutions that optimize network performance, increase productivity and produce more immediate return-on-investment.

And it's not just providing technology. It's making sure solutions are efficiently and effectively installed: working with distributors and customers so products are delivered when and where you need them. And maintaining a global network of certified installation contractors.

It all means, simply, that AMP NETCONNECT cabling systems provide the answers you're looking for: the whole solution for any cabling challenge. From the ground up.

*Some conditions may apply. AMP NETCONNECT Home Net-Works Systems qualify for a 25 year component warranty only. For more information, please visit www.ampnetconnect.com or call 1-800-553-0938. Outside the U.S., please contact your local AMP NETCONNECT product sales office.



08

50/125 μm OM2 Optical Fiber General Product Information	02 – 05
Optical Fiber Interconnect Cable	06
Optical Fiber Distribution Cable	06
Interlocking Armor Optical Fiber Distribution Cable	07
Optical Fiber Indoor/Outdoor Cable	07
Optical Fiber Outside Plant (OSP) Cable	08
Optical Fiber Outside Plant Armored (OSPA) Cable	08
LightCrimp PLUS Connectors (No-epoxy/No-polish)	09
Epoxy/Polish Connectors	10
MT-RJ Jacks (No-epoxy/No-polish)	11
MT-RJ Jack Accessories	12
LightCrimp Splice	12
Snap-in Adapter Plates	13
Couplers & Adapters	13
LC Cable Assemblies	14
MT-RJ Cable Assemblies	14
SC Cable Assemblies	15
ST Cable Assemblies	15
Pigtail (Single-Ended) Cable Assemblies	15
LC Test Kits	16
Replacement Components for LC Test Kits	16
MT-RJ OTDR Test Assemblies	16
MT-RJ Loopbacks	16
MT-RJ Test Kits	16
Replacement Components for MT-RJ Test Kits	16

50/125 μm OM2 Optical Fiber Cable Information

08

AMP NETCONNECT fiber optic cables contain fibers for use in optical fiber applications, including: local area networks (LANs), wide area networks (WANs), fiber to the curb (FTTC), fiber to the home (FTTH), fiber to the desk (FTTD), and others.

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	ANSI/TIA-568	ISO 11801	ICEA-596
ICEA-640	ICEA-696	IEC 793-1	IEC 794-1
Telecordia GR-409-CORE	Telecordia GR-20-CORE		

50/125 μm OM2 Optical Fiber Performance

Gigabit Ethernet @ 850 nm	Gigabit Ethernet @ 1300 nm	10 Gigabit Ethernet @ 850 nm	10 Gigabit Ethernet @ 1300 nm
550 m	550 m	82 m	300 m

50/125 μm OM2 (850/1300 nm) Optical Fiber Cable Performance Specifications

Cable Type	Maximum Attenuation dB/km		OFL Bandwidth MHz•km		Laser Bandwidth MHz•km	
	850 nm	1300 nm	850 nm	1300 nm	850 nm	1300 nm
Indoor Cables	3.5	1.5	500	500	—	—
Indoor/Outdoor and OSP Loose Tube Cables	3.5	1.5	500	500	—	—

Optical Fiber Cable Temperature Ranges

Cable Type	Condition	Riser	Plenum
		Storage	Storage
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 +70°C (-40°F to +158°F)	-40°C to +70°C (-40°F to +158°F)
	Operating	-20°C to +70°C (-4°F to +158°F)	0°C to +70°C (32°F to +158°F)
	Installation	-10°C to +60°C (14°F to +140°F)	0°C to +60°C (32°F to +140°F)
Indoor/Outdoor Cables	Storage	-40°C to +70°C (-40°F to +160°F)	-40°C to +70°C (-40°F to +160°F)
	Operating	-40°C to +70°C (-40°F to +160°F)	-40°C to +70°C (-40°F to +160°F)
	Installation	-20°C to +60°C (-4°F to +140°F)	-0°C to +60°C (-32°F to +140°F)
Stranded Cables			
OSP (Loose Tube) Cables	Storage	-40°C to +70°C (-40°F to +158°F)	—
	Operating	-40°C to +70°C (-40°F to +158°F)	—
	Installation	-30°C to +60°C (-22°F to +140°F)	—

Optical Fiber Cable Technical Information

Cable Type	Fiber Count	Unit Count Units (Fibers/Unit)	Diameter mm (in)	Weight kg/km (lb/kft)	Tensile Load N (lbf)		Bending Radius mm (in)	
					Installation	Long Term	Installation	Long Term
Outside Plant, Single Loose Tube	4	1 (4)	8.3 (0.33)	50 (34)	2670 (600)	890 (200)	176 (6.9)	88 (3.5)
	6	1 (6)	8.3 (0.33)	50 (34)	2670 (600)	890 (200)	176 (6.9)	88 (3.5)
	8	1 (8)	8.3 (0.33)	50 (34)	2670 (600)	890 (200)	176 (6.9)	88 (3.5)
	12	1 (12)	8.3 (0.33)	50 (34)	2670 (600)	890 (200)	176 (6.9)	88 (3.5)
Outside Plant, Stranded Loose Tube	24	2 (12)	11.0 (0.43)	100 (67)	2670 (600)	890 (200)	242 (9.5)	121 (4.8)
	36	3 (12)	11.0 (0.43)	93 (62)	2670 (600)	890 (200)	242 (9.5)	121 (4.8)
	48	4 (12)	11.0 (0.43)	97 (65)	2670 (600)	890 (200)	242 (9.5)	121 (4.8)
	72	6 (12)	11.9 (0.47)	130 (87)	2670 (600)	890 (200)	252 (9.9)	126 (5.0)
	96	8 (12)	13.6 (0.53)	158 (106)	2670 (600)	890 (200)	287 (11.3)	144 (5.6)
	144	12 (12)	17.6 (0.69)	252 (169)	2670 (600)	890 (200)	364 (14.3)	182 (7.2)
Outside Plant, Armored Single Loose Tube	4	1 (4)	10.9 (0.43)	140 (94)	2670 (600)	890 (200)	244 (9.6)	122 (4.8)
	6	1 (6)	10.9 (0.43)	140 (94)	2670 (600)	890 (200)	244 (9.6)	122 (4.8)
	8	1 (8)	10.9 (0.43)	140 (94)	2670 (600)	890 (200)	244 (9.6)	122 (4.8)
	12	1 (12)	10.9 (0.43)	140 (94)	2670 (600)	890 (200)	244 (9.6)	122 (4.8)
Outside Plant, Armored Stranded Loose Tube	24	2 (12)	13.8 (0.55)	214 (144)	2670 (600)	890 (200)	315 (12.4)	158 (6.2)
	36	3 (12)	13.8 (0.55)	218 (146)	2670 (600)	890 (200)	315 (12.4)	158 (6.2)
	48	4 (12)	13.8 (0.55)	223 (150)	2670 (600)	890 (200)	315 (12.4)	158 (6.2)
	72	6 (12)	14.8 (0.58)	265 (178)	2670 (600)	890 (200)	335 (13.2)	167 (6.6)
	96	8 (12)	16.7 (0.69)	307 (206)	2670 (600)	890 (200)	378 (14.9)	189 (7.4)
	144	12 (12)	21.4 (0.84)	498 (335)	2670 (600)	890 (200)	455 (17.9)	228 (9)

OM2 (50/125 μm) Multimode



Optical Fiber Cable Technical Information (Continued)

Cable Type	Fiber Count	Unit Count Units (Fibers/ Unit)	UL/NEC Ratings	Diameter mm (in)	Weight kg/km (lb/ kft)	Tensile Load N (lbf)		Bending Radius mm (in)	
						Installation	Long Term	Installation	Long Term
Interconnect, Simplex	1	1 (1)	OFNR	2.0 (0.08)	5 (3)	40 (9)	12 (3)	50 (1.97)	25 (0.98)
			OFNP	2.0 (0.08)	6 (4)	40 (9)	12 (3)	50 (1.97)	25 (0.98)
			OFNR	2.9 (0.11)	8 (5)	100 (22)	30 (7)	58 (2.3)	29 (1.1)
			OFNP	2.9 (0.11)	9 (6)	100 (22)	30 (7)	58 (2.3)	29 (1.1)
Interconnect, Zipcord	2	2 (1)	OFNR	2.0 (0.08) x 4.1 (0.16)	8 (5)	40 (9)	12 (3)	50 (1.97)	25 (0.98)
			OFNP	2.0 (0.08) x 4.1 (0.16)	10 (7)	40 (9)	12 (3)	50 (1.97)	25 (0.98)
			OFNR	2.9 (0.11) x 5.9 (0.23)	15 (10)	100 (22)	30 (7)	58 (2.3)	29 (1.1)
			OFNP	2.9 (0.11) x 5.9 (0.23)	15 (10)	100 (22)	30 (7)	58 (2.3)	29 (1.1)
Interconnect, Dual	2	1 (2)	OFNR	2.9 (0.11)	7 (5)	100 (22)	30 (7)	57 (2.2)	29 (1.1)
			OFNP	2.9 (0.11)	9 (6)	100 (22)	30 (7)	57 (2.2)	29 (1.1)
			OFNR	4.8 (0.3)	20 (13)	100 (22)	30 (7)	96 (3.8)	48 (1.9)
			OFNP	4.8 (0.3)	30 (20)	100 (22)	30 (7)	96 (3.8)	48 (1.9)
Interconnect, Quad	4	1 (4)	OFNR	4.8 (0.3)	25 (17)	100 (22)	30 (7)	96 (3.8)	48 (1.9)
			OFNP	4.8 (0.3)	30 (20)	100 (22)	30 (7)	96 (3.8)	48 (1.9)
Distribution	6	1 (6)	OFNR	5.2 (0.20)	29 (19)	660 (150)	198 (45)	114 (4.5)	57 (2.2)
			OFNP	4.8 (0.19)	24 (16)	440 (100)	132 (30)	110 (4.3)	55 (2.2)
	8	1 (8)	OFNR	5.7 (0.22)	24 (16)	660 (150)	198 (45)	136 (5.4)	68 (2.7)
			OFNP	5.0 (0.20)	26 (17)	440 (100)	132 (30)	110 (4.3)	55 (2.2)
	12	1 (12)	OFNR	6.0 (0.24)	37 (25)	660 (150)	198 (45)	128 (5)	64 (2.5)
			OFNP	5.7 (0.23)	46 (31)	440 (100)	132 (30)	128 (5)	64 (2.5)
	24	1 (24)	OFNR	8.0 (0.31)	61 (41)	1320 (300)	396 (90)	178 (7)	89 (3.5)
			OFNP	7.7 (0.30)	69 (46)	660 (150)	198 (45)	168 (6.6)	84 (3.3)
	24	2 (12)	OFNR	7.4 x 13.0 (0.29 x 0.51)	87 (58)	1320 (300)	396 (90)	284 (11.2)	142 (5.6)
			OFNP	7.0 x 12.4 (0.28 x 0.49)	92 (62)	660 (150)	198 (45)	264 (10.4)	132 (5.2)
	24	4 (6)	OFNR	13.4 (0.53)	180 (121)	1320 (300)	396 (90)	275 (10.8)	137 (5.4)
			OFNP	13.3 (0.52)	200 (134)	660 (150)	198 (45)	266 (10.5)	133 (5.2)
	36	6 (6)	OFNR	16.4 (0.65)	220 (148)	1320 (300)	396 (90)	342 (13.5)	171 (6.7)
			OFNP	16.0 (0.63)	255 (171)	660 (150)	198 (45)	327 (12.9)	164 (6.4)
	48	4 (12)	OFNR	16.0 (0.63)	250 (168)	1320 (300)	396 (90)	350 (13.8)	175 (6.9)
			OFNP	15.2 (0.60)	202 (136)	660 (150)	198 (45)	312 (12.3)	156 (6.1)
	72	6 (12)	OFNR	18.9 (0.75)	301 (202)	1320 (300)	396 (90)	386 (15.2)	193 (7.6)
			OFNP	18.5 (0.73)	316 (212)	660 (150)	198 (45)	386 (15.2)	193 (7.6)
	96	8 (12)	OFNR	22.8 (0.90)	433 (291)	1320 (300)	396 (90)	462 (18.2)	231 (9.1)
			OFNP	22.0 (0.86)	466 (313)	660 (150)	198 (45)	448 (17.6)	224 (8.8)
	144	12 (12)	OFNR	24.8 (0.98)	461 (310)	1320 (300)	396 (90)	514 (20.2)	257 (10.1)
			OFNP	24.2 (0.95)	474 (319)	660 (150)	198 (45)	514 (20.2)	257 (10.1)
Distribution, Interlocking Armor	6	1 (6)	OFCP	13.1 (0.52)	117 (79)	1335 (300)	400 (90)	197 (7.8)	131 (5.2)
	12	1 (12)	OFCP	13.3 (0.52)	129 (87)	1335 (300)	400 (90)	199 (7.8)	133 (5.2)
	24	1 (24)	OFCP	14.8 (0.58)	176 (119)	1780 (400)	534 (120)	223 (8.8)	148 (5.8)
	24	2 (12)	OFCP	18.9 (0.74)	240 (161)	1780 (400)	534 (120)	192 (7.6)	128 (5.0)
	48	4 (12)	OFCP	23.4 (0.92)	408 (274)	2640 (600)	800 (180)	351 (13.8)	234 (9.2)
	72	6 (12)	OFCP	24.7 (0.97)	537 (361)	2640 (600)	800 (180)	371 (14.6)	247 (9.7)
Indoor/Outdoor, Single Loose Tube	6	1 (6)	OFNR	6.5 (0.26)	45 (30)	1335 (300)	400 (90)	97 (3.8)	65 (2.6)
			OFNP	6.6 (0.26)	45 (30)	1335 (300)	400 (90)	99 (3.9)	66 (2.6)
	8	1 (8)	OFNR	6.5 (0.26)	45 (30)	1335 (300)	400 (90)	97 (3.8)	65 (2.6)
			OFNP	6.6 (0.26)	46 (31)	1335 (300)	400 (90)	99 (3.9)	66 (2.6)
	12	1 (12)	OFNR	6.5 (0.26)	45 (30)	1335 (300)	400 (90)	97 (3.8)	65 (2.6)
			OFNP	6.6 (0.26)	46 (31)	1335 (300)	400 (90)	99 (3.9)	66 (2.6)
Indoor/Outdoor, Stranded Loose Tube	24	2 (12)	OFNR	10.1 (0.40)	84 (56)	2670 (600)	890 (200)	151 (5.9)	101 (4.0)
			OFNP	9.7 (0.38)	86 (58)	2670 (600)	890 (200)	145 (5.7)	97 (3.8)
	36	3 (12)	OFNR	10.1 (0.40)	84 (56)	2670 (600)	890 (200)	151 (5.9)	101 (4.0)
			OFNP	9.7 (0.38)	86 (58)	2670 (600)	890 (200)	145 (5.7)	97 (3.8)
	48	4 (12)	OFNR	10.1 (0.40)	84 (56)	2670 (600)	890 (200)	151 (5.9)	101 (4.0)
			OFNP	9.7 (0.38)	86 (58)	2670 (600)	890 (200)	145 (5.7)	97 (3.8)
	72	6 (12)	OFNR	11.9 (0.47)	111 (75)	2670 (600)	890 (200)	178 (7.0)	119 (4.7)
			OFNP	11.7 (0.46)	101 (68)	2670 (600)	890 (200)	175 (6.9)	117 (4.6)
	96	8 (12)	OFNR	13.7 (0.54)	147 (99)	2670 (600)	890 (200)	206 (8.1)	137 (5.4)
			OFNP	13.5 (0.53)	175 (118)	2670 (600)	890 (200)	203 (8.0)	135 (5.3)
	144	12 (12)	OFNR	17.8 (0.70)	252 (169)	4448 (1000)	1335 (300)	267 (10.5)	178 (7.0)
			OFNP	17.7 (0.70)	300 (202)	4448 (1000)	1335 (300)	255 (10.1)	170 (6.7)

Optical Fiber Connector Termination Comparison Chart

		MT-RJ Jacks Outlet, Patch Panel	LightCrimp Plus LC, SC, ST	Epoxy/Polish LC, SC, ST
Termination Technology	Epoxy Required	NO	NO	YES
	Polish Required	NO	NO	YES
	Crimp Required	NO	YES	YES
Setup Time	(Each Location)	< 3 Minutes	< 2 Minutes	< 12 Minutes
Installation Time	(Each Fiber)	~ 1 Minute	~ 1 Minute	7 – 25 Minutes
Connector Cost	(Relative)	Higher	Higher	Lower
Installation Labor Cost	(Relative)	Lower	Lower	Higher
Tool Kit Cost	(Relative)	Lower	Lower	Higher
Skill Level	(Relative)	Lower	Lower	Higher
Training Time	(Relative)	Short	Short	High

NOTE: Entries for time and cost are estimates and relative comparisons. Actual results will vary depending on experience level and conditions at time of termination.

Jack, Plug and Insert Compatibility List

Description	Part Number	SL Series MT-RJ and MT-RJ SECURE Outlet Jacks	MT-RJ and MT-RJ SECURE Patch Panel Jacks	LightCrimp Plus			Epoxy/Polish		
				LC	SC	ST	LC	SC	ST
SL Series Modules	2-Port	1116409	X	–	–	–	–	–	–
	2-Port	1116406	X	–	–	–	–	–	–
	3-Port	1116408	X	–	–	–	–	–	–
	Duplex SC, Single-mode	1375306	–	–	X	–	X	–	–
	Duplex SC, Multimode	1375123	–	–	X	–	X	–	–
	Duplex SC to ST, Multimode	1375241	–	–	X	X	–	X	X
SL Series Inserts	ST, Multimode	1339123	–	–	–	X	–	X	X
	ST, Single-mode	1479181	–	–	–	X	–	–	X
	LC Duplex, Multimode	1435735	–	–	X	–	X	–	–
	LC Duplex, Single-mode	1435799	–	–	X	–	X	–	–
	MT-RJ SL Series Housing, Single-mode/Multimode	1374416	X*	X	–	–	–	–	–
	HIDEAWAY and HIDEOUT SC Duplex, Multimode	5504640	–	–	X	–	X	–	–
HIDEAWAY and HIDEOUT	SC Duplex to Dual ST, Multimode	5504663	–	–	X	X	–	X	X
HIDEAWAY and HIDEOUT	Dual ST, Multimode	504662	–	–	–	X	–	–	X
HIDEAWAY and HIDEOUT	MT-RJ Parallel Dress Clips, 1-Port	1374206	X**	X	–	–	–	–	–
HIDEAWAY and HIDEOUT	MT-RJ Parallel Dress Clips, 2-Port	1374205	X**	X	–	–	–	–	–
Surface Mount Inserts	1-Port	1116098	X	–	–	–	–	–	–
Surface Mount Inserts	2-Port	557775	X	–	–	X	–	–	X
Surface Mount Inserts	2-Port	557350	–	–	–	–	–	–	–
Universal Office Box Inserts	ST, Multimode	1479495	–	–	–	X	–	–	X
ACO Dual-Port Faceplate	Dual - SC Duplex, Multimode	503662	–	–	X	–	–	X	–
ACO Dual-Port Faceplate	Quad - ST, Multimode	502604	–	–	–	X	–	–	X
ACO Dual-Port Faceplate	Dual - ST, Multimode	502604	–	–	–	X	–	–	X
AFWM Flush Faceplates	Dual - SC Duplex, Multimode	557322	–	–	X	–	–	X	–
AFWM Flush Faceplates	Quad - ST, Multimode	557474	–	–	–	X	–	–	X
Optical Fiber MUO Mod	MT-RJ Jack, Single-mode/Multimode	1375347	X**	X	–	–	–	–	–
Optical Fiber MUO Mod	SC Duplex, Multimode	406818	–	–	–	X	–	–	X
Optical Fiber MUO Mod	SC Duplex to Dual ST, Multimode	406819	–	–	–	X	X	–	X
Optical Fiber MUO Mod	Dual ST, Multimode	406820	–	–	–	X	–	–	X

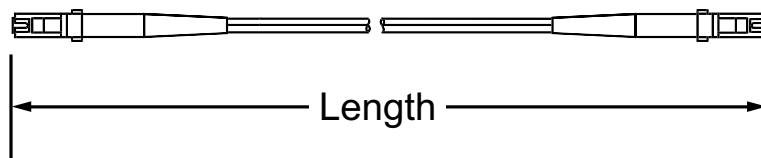
*Note: SL Series MT-RJ Outlet Jacks come with SL Series MT-RJ Housing.

**Note: SL Series Housing is not used when using SL Series MT-RJ Outlet Jacks with MT-RJ Parallel Dress Clips or MT-RJ Jack MUO Modules.

Jack, Plug and Insert Compatibility List

Test Description		FOTP*	Requirement
Visual and Mechanical Inspection:	MT-RJ	13	TIA/EIA-604-12 (FOCIS 12)
Visual and Mechanical Inspection:	SC	13	TIA/EIA-604-3 (FOCIS 3)
Visual and Mechanical Inspection:	ST	13	TIA/EIA-604-2 (FOCIS 2)
Visual and Mechanical Inspection:	LC	13	TIA/EIA-604-10 (FOCIS10)
Attenuation		34	< 0.75 dB
Return Loss		107	< -20 dB
Low Temperature (0° C for 4 days)		188	< 0.3 dB change
Temperature Life (55° C for 14 days)		7	< 0.3 dB change
Humidity (90 to 95% @ 40° C for 4 days)		5	< 0.3 dB change
Impact (8 drops from 1.8 m)		2	< 0.75 dB IL, < -20 dB RL
Durability (500 cycles)		21	< 0.75 dB IL, < -20 dB RL
Cable Retention (0° and 90°)		6	< 0.75 dB IL, < -20 dB RL
Flex (100 cycles)		1	< 0.75 dB IL, < -20 dB RL
Twist (10 cycles)		36	< 0.75 dB IL, < -20 dB RL

Optical Fiber Cable Assembly Length Reference



Meter to Foot and Inch Reference

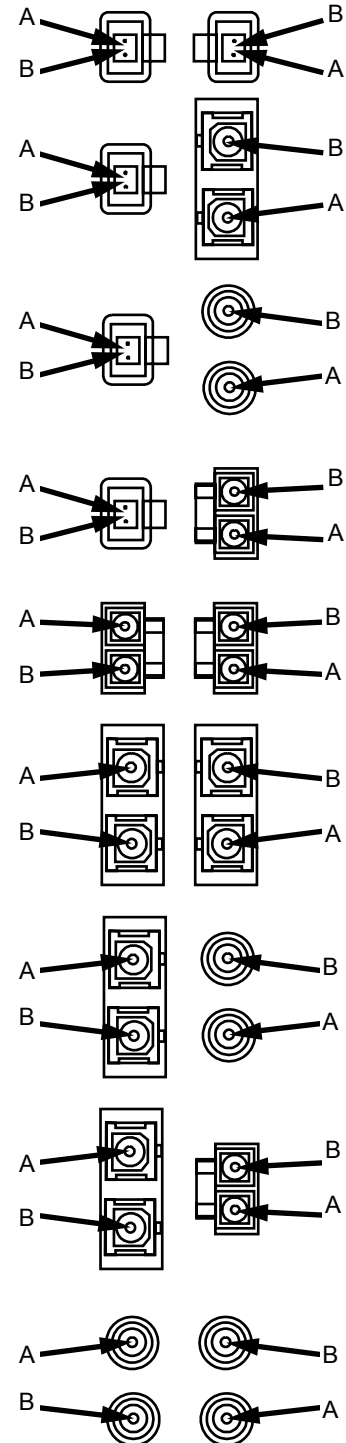
Length in Meters	Length in Feet	Length in Inches
1	3.28	39.37
2	6.56	78.74
3	9.84	118.11
4	13.12	157.48
5	16.40	196.85
6	19.68	236.21
7	22.96	275.59
8	26.25	314.96
9	29.52	354.33
10	32.80	393.70
20	65.62	787.40
30	98.42	1181.10
40	131.23	1574.80
50	164.04	1968.50
60	196.85	2362.20
70	229.66	2755.90
80	262.47	3149.60
90	295.27	3543.30
100	328.08	3937.00
110	360.89	4330.69
120	393.70	4724.39
130	426.51	5118.09
140	459.32	5511.79
150	492.12	5905.49
160	524.93	6299.19
170	557.74	6692.89
180	590.55	7086.59
190	623.36	7480.29
200	656.17	7873.99

Note: Conversion chart is for reference only and does not imply actual assembly length.

Fiber Polarity

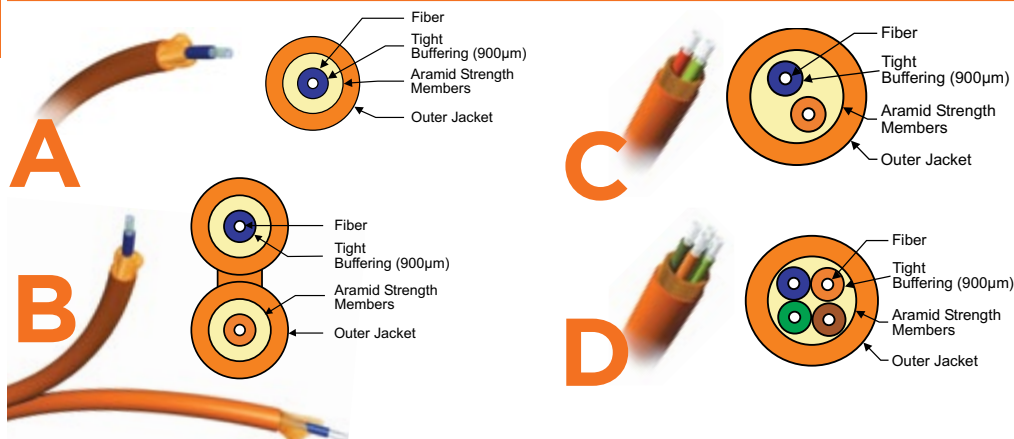
Fiber Color	End 1 Connector	End 2 Connector
White	A	B
Blue	B	A

08



50/125 μ m OM2 Multimode Optical Fiber Interconnect Cable

08

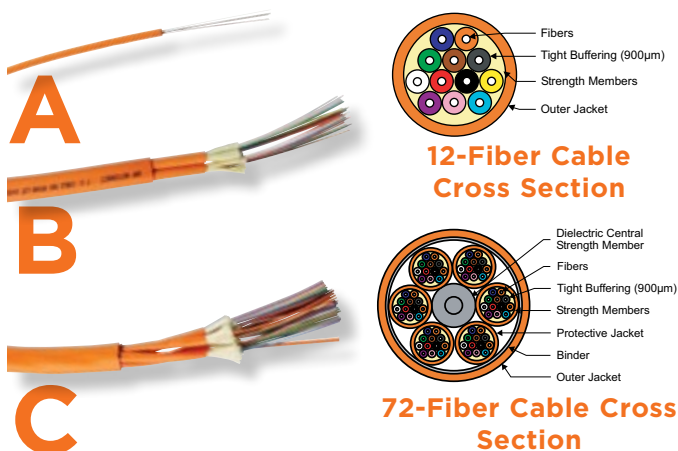


- Suitable for direct termination with epoxy/polish, LightCrimp, LightCrimp PLUS, and MT-RJ jacks for use in pigtails, and patch cords
- Simplex and zipcord cables are additionally suitable for use in internal equipment connections
- Aramid yarn reinforcement
- UL and cUL listed OFNR (Riser) or OFNP (Plenum)
- Outer Jacket Color: Orange
- Hybrid cables and other jacket colors are available
- See Customer Specification 114-92001 at www.ampnetconnect.com for additional information



Cable Type	Fiber Count	Unit Count Units (Fibers/Unit)	Figure	Riser (OFNR)	Plenum (OFNP)
Simplex (2.0mm)	1	1 (1)		1-1553406-2	1-1553407-2
Simplex (2.9mm)	1	1 (1)	A	1-1553408-2	1-1553409-2
Zipcord (2.0mm)	2	2 (1)		1-1553410-2	1-1553411-2
Zipcord (2.9mm)	2	2 (1)	B	1-1553412-2	1-1553413-2
Dual (2.9 mm)	2	1 (2)	C	1-1553414-2	1-1553415-2
Dual (4.8 mm)	2	1 (2)		1-1553416-2	1-1553417-2
Quad (4.8 mm)	4	1 (4)	D	1-1553418-2	1-1553419-2

50/125 μ m OM2 Multimode Optical Fiber Distribution Cable



- Suitable for horizontal and in-building backbone cabling and for direct termination with epoxy/polish, LightCrimp, LightCrimp PLUS and MT-RJ jacks
- Strippable 900 μ m tight buffer coating allows for easy connectorization
- TIA color-coded fibers for easy identification
- UL and cUL listed OFNR (Riser) or OFNP (Plenum)
- Outer Jacket Color: Orange
- Hybrid cables and other jacket colors are available
- See Customer Specification 114-92000 at www.ampnetconnect.com for additional information



Fiber Count	Unit Count Unit (Fibers/Unit)	Figure	Riser (OFNR)	Plenum (OFNP)
6	1 (6)	A	1-1553307-2	1-1553308-2
8	1 (8)		1-1553309-2	1-1553310-2
12	1 (12)		1-1553311-2	1-1553312-2
	1 (24)		1-1553313-2	1-1553314-2
24	2 (12)	B	1-1553315-2	1-1553316-2
	4 (6)		1-1553317-2	1-1553318-2
36	6 (6)		1-1553319-2	1-1553320-2
48	4 (12)	C	1-1553321-2	1-1553322-2
72	6 (12)		1-1553323-2	1-1553324-2
96	8 (12)		1-1553325-2	1-1553326-2
144	12 (12)		1-1553327-2	1-1553328-2

OM2 (50/125 μm) Multimode

50/125 μm OM2 Multimode Interlocking Armor Optical Fiber Distribution Cable

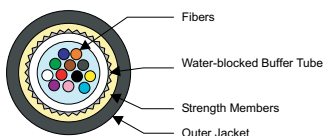


- Robust construction provides extra protection for optical fibers
- Interlocking armor enhances flexibility
- Lightweight aluminum armor simplifies handling
- Installer-friendly plenum rated
- over-jacketing makes cable pulls easier
- Over-jacketing color: Orange
- Hybrid cables and other jacket colors are available
- Pending local codes, may eliminate the need for innerduct
- OFCP (Plenum) rated
- TIA Color Coded fibers
- Strippable 900 μm tight buffer coating allows for easy connectorization
- Indoor/Outdoor and specialty versions available

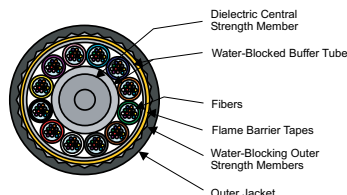
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Fiber Count	Unit Count Units (Fibers/Unit)	Figure	UL/NEC Ratings	Part Number
6	1 (6)	A	Plenum (OFCP)	2-1777121-7
12	1 (12)		Plenum (OFCP)	2-1777117-7
24	1 (24)		Plenum (OFCP)	1-1553420-2
	2 (12)		Plenum (OFCP)	2-1777122-7
48	4 (12)		Plenum (OFCP)	2-1777123-7
72	6 (12)		Plenum (OFCP)	2-1777124-7

50/125 μm OM2 Multimode Optical Fiber Indoor/Outdoor Cable



12-Fiber Cable Cross Section



144-Fiber Cable Cross Section

- Suitable for in-building and inter-building backbone cabling
- Can eliminate the need for a transition point and splicing when entering buildings - go directly from outdoors into building riser or plenum spaces
- Water-blocked buffer tube for water penetration protection
- Flame-retardant UV-protected jacket for harsh outdoor environments
- All-dielectric construction
- UL and cUL listed OFNR (Riser) or OFNP (Plenum)
- Single loose tube cables:
 - TIA color-coded fibers for easy identification
 - Water-blocked buffer tube for water penetration protection
 - Small diameter single tube construction saves space inside ducts
- Stranded loose tube cables:
 - Outer Jacket Color is Black for all Fiber Types
 - Hybrid cables and other jacket colors are available
 - Reverse oscillating lay construction for easy midspan access
 - Dry water blocking technology
 - TIA color-coded fibers in TIA color-coded tubes for easy identification
- See Customer Specification 114-92002 at: www.ampnetconnect.com for additional information



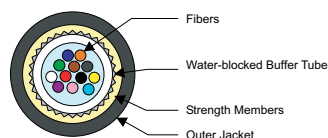
Cable Type	Fiber Count	Unit Count Unit (Fibers/Unit)	Figure	Riser (OFNR)	Plenum (OFNP)
Single Loose Tube	6	1 (6)	A	6-1553342-2	6-1553343-2
	8	1 (8)		6-1553344-2	6-1553345-2
	12	1 (12)		6-1553346-2	6-1553347-2
Stranded Loose Tube	24	2 (12)	C	6-1553348-2	6-1553349-2
	36	3 (12)		6-1553350-2	6-1553351-2
	48	4 (12)		6-1553352-2	6-1553353-2
	72	6 (12)		6-1553354-2	6-1553355-2
	96	8 (12)		6-1553356-2	6-1553357-2
	144	12 (12)		6-1553358-2	6-1553359-2

50/125 μ m OM2 Multimode Optical Fiber Outside Plant (OSP) Cable

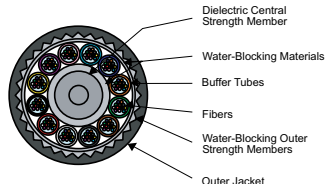
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A



12-Fiber Cable Cross Section

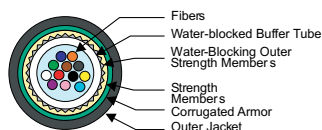
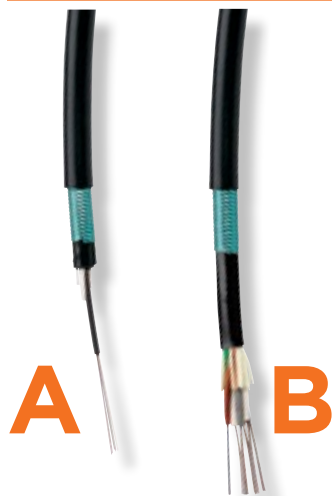


144-Fiber Cable Cross Section

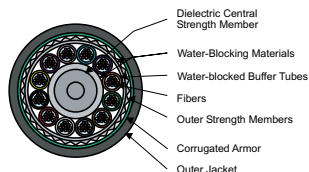
- Suitable for inter-building backbone cabling (aerial, duct or direct burial)
- Dry water-blocking technology
- UV-protected jacket for harsh outdoor environment
- Low friction jacket for ease of pulling through ducts
- All-dielectric construction
- Outer Jacket Color is Black for all Fiber Types
- See Customer Specification 114-92003 at: www.ampnetconnect.com for additional information
- Single loose tube cables:
 - TIA color-coded fibers for easy identification
 - Small diameter single tube construction saves space inside ducts
- Stranded loose tube cables:
 - Reverse oscillating lay construction for easy midspan access
 - TIA color-coded fibers and buffer tubes for easy identification

Fiber Count	Unit Count Units (Fibers/Unit)	Figure	Part Number
4	1 (4)		6-1553386-2
6	1 (6)		6-1553387-2
8	1 (8)		6-1553388-2
12	1 (12)		6-1553389-2
24	2 (12)		6-1553390-2
36	3 (12)		6-1553391-2
48	4 (12)		6-1553392-2
72	6 (12)		6-1553393-2
96	8 (12)		6-1553394-2
144	12 (12)	A	6-1553395-2

50/125 μ m OM2 Multimode Optical Fiber Outside Plant Armored (OSPA) Cable



12-Fiber Cable Cross Section



144-Fiber Cable Cross Section

- Suitable for inter-building backbone cabling (aerial, duct or direct buried)
- Dry water-blocking technology
- UV-protected jacket for harsh outdoor environment
- Low friction jacket for ease of pulling through ducts
- Corrugated steel tape armor for rugged environments and rodent protection
- Outer Jacket Color is Black
- See Customer Specification 114-92003 at: www.ampnetconnect.com for additional information
- Single loose tube cables:
 - TIA color-coded fibers for easy identification
 - Small diameter single tube construction saves space inside ducts
- Stranded loose tube cables:
 - TIA color-coded fibers and buffer tubes for easy identification
 - Reverse oscillating lay construction for easy midspan access
 - Hybrid cables (with single-mode and multimode fibers) are available to provide a built-in migration path for future applications that will require single-mode fibers

Cable Type	Fiber Count	Unit Count Units (Fibers/Unit)	Figure	Part Number
Single Loose Tube	4	1 (4)		6-1553396-2
	6	1 (6)	A	6-1553397-2
	8	1 (8)		6-1553398-2
	12	1 (12)		6-1553399-2
Stranded Loose Tube	24	2 (12)		6-1553400-2
	36	3 (12)		6-1553401-2
	48	4 (12)	B	6-1553402-2
	72	6 (12)		6-1553403-2
	96	8 (12)		6-1553404-2
	144	12 (12)		6-1553405-2

OM2 (50/125 μm) Multimode



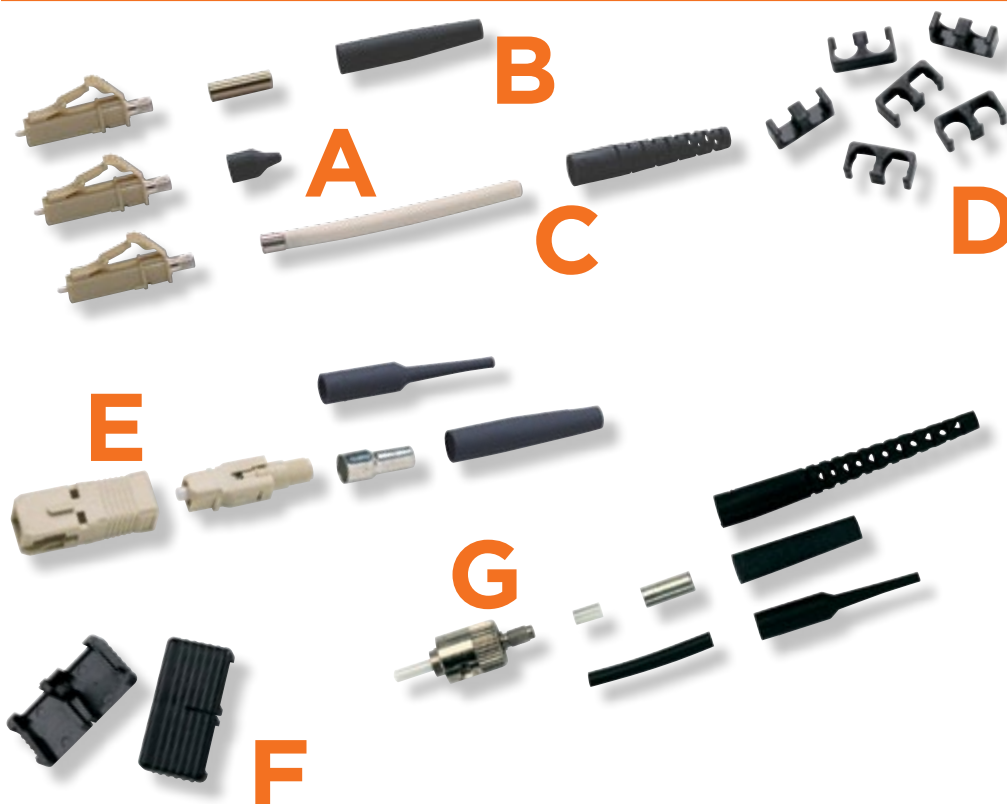
50/125 μm OM2 Multimode LightCrimp PLUS Connectors (No-epoxy/No-polish)

08



- Easy installation:
- No epoxy, no polishing
- No bench tool required
- Strip, cleave, and crimp
- Match fiber type of cable to fiber type of LightCrimp Plus connector
- Mates with standard couplers, adapters, and adapter plates
- LC small form factor design is half the size of SC
- Select appropriate part number for termination to:
 - 900 μm tight-buffered fiber or 250 μm coated fiber
 - 1.6 – 2.0 mm jacketed fiber
 - 3 mm jacketed fiber
- LC connector clip turns simplex connectors into duplex connectors and allows for polarity correction after termination
- Termination tool kits in Chapter 22

Connector Type	Housing Color	Boot Color	Used With	Figure	Part Number
LC Simplex	Beige	Black	900 μm buffered and 250 μm coated fibers	A	6754483-2
			1.6 to 2.0 mm Jacketed Cable		1918627-2
SC Simplex	Beige	Black	900 μm buffered fibers, 250 μm coated fibers, and 3 mm Jacketed Cable	B	6278079-2
ST	Metallic	Black	900 μm buffered fibers, 250 μm coated fibers, and 3 mm Jacketed Cable	C	6278082-1
Duplex LC Clip, package of 6	Black	–	Simplex LC Connectors	D	1754371-2
1/2 Duplex SC Clip (two are required to make a complete clip)	Black	–	Simplex SC Connectors	E	6348522-1



- Each connector kit comes with accessories needed to terminate to 250 μ m fiber, 900 μ m tight-buffered fiber, 900 μ m easy-strip, buffer tube splitter kits, 2 mm or 3 mm cable (select appropriate part number)
- Suitable for use with heat-cured or anaerobic (quick cure) adhesive
- See Instruction Sheet for recommended anaerobic adhesive
- Mates with standard couplers, adapters, and adapter plates
- LC small form factor design is half the size of SC
- Pre-radiused ceramic ferrules for easy polishing
- Duplex SC can be assembled using two Simplex SC connectors and one duplex clip
- Boot type and coupling nut options (select appropriate part number)

Description	Housing Color	Boot Color	Used With	Figure	Part Number
LC Simplex	Beige	Black	900 μ m buffered and 250 μ m coated fibers	A	1918385-4
			1.6 to 2 mm Jacketed Cable	B	1918267-4
			3.0 mm Jacketed Cable	C	1918375-4
Duplex LC Clip, package of 6	Black	—	Simplex LC Connectors	D	1754371-2
SC Simplex	Beige	Black	900 μ m buffered fibers, 250 μ m coated fibers, and 3 mm Jacketed Cable	E	1-5503948-3
			3 mm Jacketed Cable		1-5503948-2
			900 μ m buffered and 250 μ m coated fibers	E	5504932-1
			2 mm Jacketed Cable		5504931-6
1/2 Duplex SC Clip (two are required to make a complete clip)	Black	—	Simplex SC Connectors	F	6348522-1
ST	Black	Black	900 μ m buffered fibers, 250 μ m coated fibers, and 3 mm Jacketed Cable		5503571-3
			900 μ m buffered fibers, 250 μ m coated fibers, and 3 mm Jacketed Cable	G	5492458-1
	Metalic	Black	3 mm Jacketed Cable		1-5501380-6
			900 μ m buffered fibers, 250 μ m coated fibers, and 3 mm Jacketed Cable	G	5501380-1

OM2 (50/125 μm) Multimode



50/125 μm OM2 Multimode MT-RJ Jacks (No-epoxy/No-polish)

08



MT-RJ Patch Panel Jacks

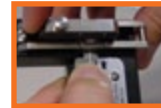
MT-RJ Outlet Jack



SL Series Housing (Almond)



Strip



Cleave



Lock

- Patch panel jacks terminate either two 900 μm tight-buffered fibers or two 250 μm coated fibers (select appropriate part number)
- Outlet jacks terminate two 900 μm tight-buffered fibers
- Match fiber type of cable to fiber type of MT-RJ Jack
- No epoxy, no polishing, no crimping
- Two fibers in one ferrule
- Jacks can be reterminated improving yield
- Tunable
- No bench tool required
- Small form factor design is half the size of SC duplex
- Jack design eliminates need for MT-RJ Coupler
- Each Outlet Jack part number includes:
 - One MT-RJ jack
 - One actuation tool
 - One bend-limiting boot
 - One SL Series Housing - allows use in any faceplate or outlet that accepts SL Series Jacks
- Each patch panel jack part number includes:
 - Six patch panel jacks
 - Two actuation tools
 - One Fiber guide
 - One Icon wheel
- SL Series housing and bend limiting boot are also available separately

Description	Jack Color	SL Series Housing Color	For Use With	
			900 μm Tight-buffered Fibers	250 μm Coated Fibers
MT-RJ Patch Panel Jack	Black	—	6588880-1	6278303-1
MT-RJ Outlet Jack	Black	Almond	6278414-1	—
		Black	6278414-2	—
		White	6278414-3	—
		Gray	6278414-4	—
		Orange	6278414-5	—
		Blue	6278414-6	—
		Red	6278414-7	—
		Yellow	6278414-8	—
		Green	6278414-9	—
		Violet	1-6278414-0	—
		Electrical Ivory	1-6278414-1	—

50/125 μ m OM2 Multimode MT-RJ Jack Accessories

08

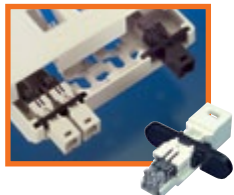
A



B



- Parallel Dress Clips:
 - 1-Port clip holds one MT-RJ Jack (sold separately)
 - 2-Port clip holds two MT-RJ Jacks (sold separately)
 - Allow use of MT-RJ Jacks in faceplates and outlets that hold flanged optical fiber adapters



- Can be used with HIDEAWAY and HIDEOUT outlets (Chapter 06)
- Bend Limiting Boots:
 - Compatible with all MT-RJ Jacks
 - Comes in a package of six
 - Protects fiber transition at back of MT-RJ Jack



- SL Series housing easily snap into SL Series Modules, mounting straps, patch panels, and faceplates
- SL Series housing accepts one MT-RJ Jack sold separately
- MT-RJ Outlet Jacks not included with any accessory listed here

Description		Package Quantity	Figure	SL Series Housing Color	Part Number
Parallel Dress Clip	1-Port (Accepts 1 MT-RJ Jack)	6	A	—	1374206-1
	2-Port (Accepts 2 MT-RJ Jacks)	3	B	—	1374205-1
Bend Limiting Boot	Black	6	C	—	6374208-4
			D	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
SL Series Housing	1-Port (Accepts 1 MT-RJ Jack)	1		Aqua	2-1374416-4
				Brown	2-1374416-5
				Slate	2-1374416-6

LightCrimp Splice

A



B



- Terminates 250 μ m coated, 900 μ m tight-buffered, and 2.0 mm jacketed fibers
- Use with multimode and single-mode 125 μ m diameter fibers
- No epoxy, set-up, or workstation required
- Use Termination Tool Kit part number 1553212-1, See Chapter 22
- Splice Performance Characteristics:
 - Attenuation: Typical 0.1 dB
 - Return Loss: (at ambient: 18 to 28° C) >20 dB Multimode >35 dB Single-mode
 - Operating Temperature: -25 to 70° C
- Tensile Retention:
 - 250 μ m coated: 2.0 N
 - 900 μ m buffered: 3.0 N
 - Jacketed: 50 N



Insert First Fiber and Complete Buffer Crimp



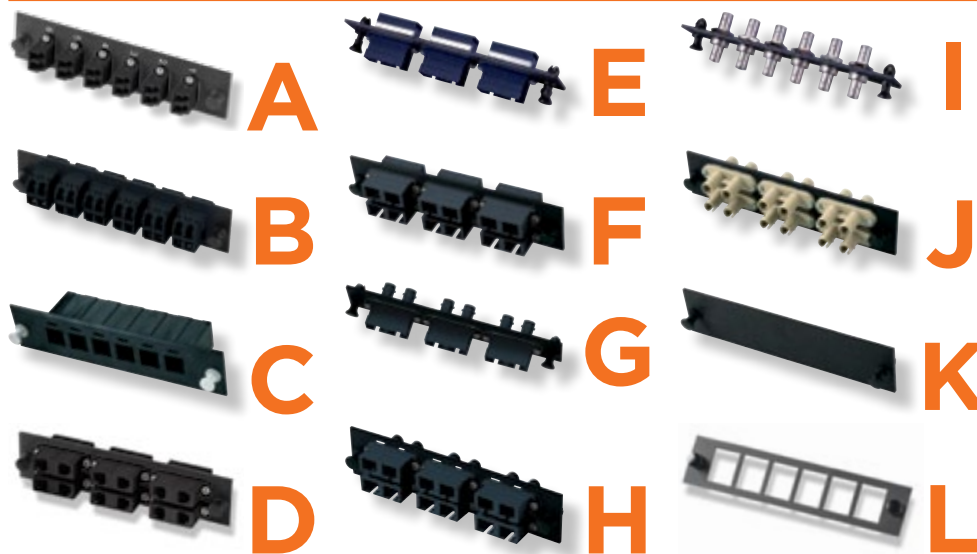
Insert Second Fiber and Actuate Crimp



Complete Second Buffer Crimp and Remove Splice from Tool

Description	Figure	Part Number
LightCrimp Splice for 250 μ m Coated and 900 μ m tight-buffered Fibers	A	1985374-1
LightCrimp Splice for 2.0 mm Jacketed Fiber	B	1985805-1

50/125 μm OM2 Multimode Snap-in Adapter Plates

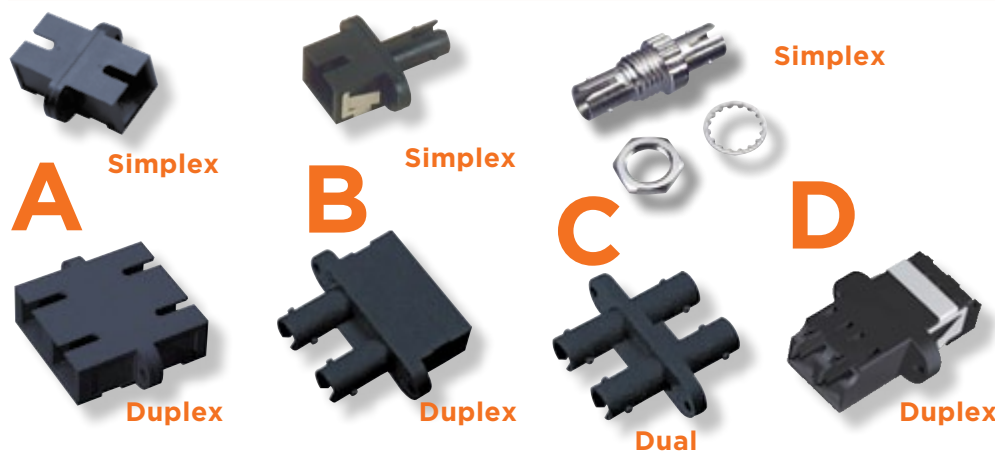


- All Snap-in Adapter Plates fit AMP NETCONNECT unloaded Optical Fiber Enclosures, see Chapter 15
- MT-RJ Jack Adapter Plates:
 - Hold up to six (6) MT-RJ (standard or secure) Jacks or Pigtail Jack Cable Assemblies
 - Accepts labeling icons
- MT-RJ Plug Adapter Plates hold up to twelve (12) MT-RJ Plugs (standard only)
- Package quantity = 1 per pack
- SL Series multimedia adapter plates accept SL Series jacks and inserts

08

Coupling Adapter	Fibers	Duplex Ports	Coupler Count	Adapter Color	Figure	Part Number
LC Duplex	12	6	6	Black	A	1374463-4
	24	12	12	Black	B	1435516-4
MT-RJ, Holds 6 Jacks	12	6	—	—	C	1278328-3
MT-RJ, 12 Plugs	24	12	—	Black	D	1435440-2
SC Simplex	6	3	3	Black		559517-3
	6	3	3	Black	E	559558-5
SC Duplex	12	6	6	Black	F	559596-5
	6	3	3	Black	G	559601-4
SC Duplex to Dual ST	12	6	6	Black	H	1278368-2
	6	3	6	Metallic	I	559557-1
ST	12	6	6	Beige	J	1278567-1
MPO	—	—	6	Black		1374598-1
Blank	—	—	—	—	K	559523-1
SL Series Multimedia Adapter Plate	—	—	—	—	L	1479506-1

50/125 μm OM2 Multimode Couplers & Adapters



- MT-RJ Couplers mate multimode or single-mode MT-RJ Plugs
- Duplex coupler mates four MT-RJ Plugs (4-fibers total, 2-fibers/mated pair)
- Simplex coupler mates two MT-RJ Plugs (2-fibers total, 2-fibers/mated pair)
- Mounting screws are available for couplers with mounting tabs (flanged)
- FOCIS - compliant designs

Description	Color	Figure	Simplex	Duplex
MT-RJ Coupler	Almond		1278017-1	6374906-1
SC Coupler	Black	A	5502632-7	5502776-7
SC to ST Coupling Adapter	Black	B	5502780-1	5503137-1
ST Coupler	Metallic/Beige	C	501381-1	504662-2
LC Coupler	Black	D	—	1-6457567-7

50/125 μ m OM2 Multimode LC Cable Assemblies

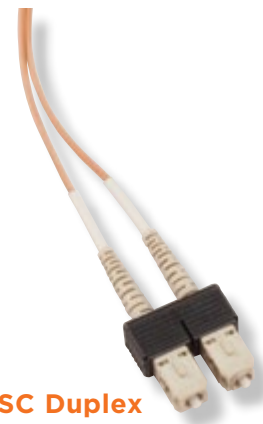
08



LC Duplex



MT-RJ



SC Duplex



Dual ST

- LC, SC and ST connectors feature ceramic ferrules
- Cable assemblies are riser (OFNR) rated
- Each MT-RJ Connector houses two fibers
- Other lengths available, see customer drawings for details
- Orange cable jacketing

Connector		Length				
End 1	End 2	1 m	2 m	3 m	5 m	10 m
LC Duplex	LC Duplex	1906866-1	1906866-2	1906866-3	1906866-5	1-1906866-0
	MT-RJ	6374647-1	6374647-2	6374647-3	6374647-5	1-6374647-0
	SC Duplex	1907380-1	1907380-2	1907380-3	1907380-5	1-1907380-0
	ST (Dual)	1906822-1	1906822-2	1906822-3	1906822-5	1-1906822-0

50/125 μ m OM2 Multimode MT-RJ Cable Assemblies



MT-RJ



SC Duplex

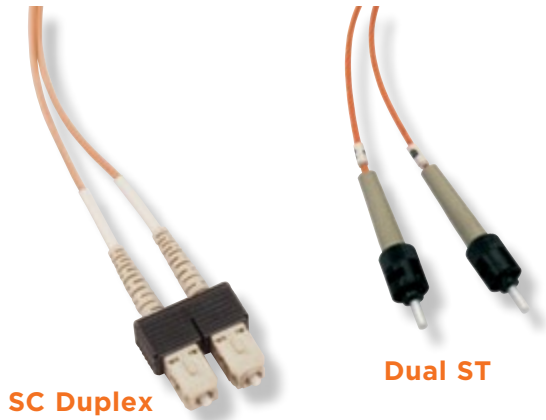


Dual ST

- SC and ST connectors feature ceramic ferrules
- Cable assemblies are riser (OFNR) rated
- Each MT-RJ Connector houses two fibers
- Other lengths available, see customer drawings for details
- Orange cable jacketing

Connector		Length				
End 1	End 2	1 m	2 m	3 m	5 m	10 m
MT-RJ	MT-RJ	6278128-1	6278128-2	6278128-3	6278128-5	1-6278128-0
	SC Simplex	6278127-1	6278127-2	6278127-3	6278127-5	1-6278127-0
	SC Duplex	6278126-1	6278126-2	6278126-3	6278126-5	1-6278126-0
	ST (Dual)	6278199-1	6278199-2	6278199-3	6278199-5	1-6278199-0

50/125 μm OM2 Multimode SC Cable Assemblies



- SC and ST connectors feature ceramic ferrules
- Cable assemblies are riser (OFNR) rated
- Other lengths available, see customer drawings for details
- Orange cable jacketing

08

Connector		Length				
End 1	End 2	1 m	2 m	3 m	5 m	10 m
SC Duplex	SC Duplex	1907379-1	1907379-2	1907379-3	1907379-5	1-1907379-0
	ST (Dual)	5492591-1	5492591-2	5492591-3	5492591-5	1-5492591-0

50/125 μm OM2 Multimode ST Cable Assemblies



- Connectors feature ceramic ferrules
- Cable assemblies are riser (OFNR) rated
- Other lengths available, see customer drawings for details
- Orange cable jacketing

Connector		Length				
End 1	End 2	1 m	2 m	3 m	5 m	10 m
ST (Dual)	ST (Dual)	5492591-1	5492591-2	5492591-3	5492591-5	1-5492591-0

50/125 μm OM2 Multimode Pigtail (Single-Ended) Cable Assemblies

- Splice-able pigtail assemblies
- 250 μm coated fiber in protective 900 μm tubing
- Compatible with fusion or mechanical splices
- Each MT-RJ Connector houses two fibers
- MT-RJ Plugs are pinned

Connector End	Cable Type	Length		
		1 m	2 m	3 m
LC Simplex	2.0 mm Jacketed With One 250 μm coated fiber in protective 900 μm tubing	6754404-1	—	—
MT-RJ Jack, Black Housing	Dual 250 μm coated fibers in 900 μm tubing	6374018-1	6374018-2	6374018-3
MT-RJ Plug, Black	Dual 250 μm coated fibers in 900 μm tubing	6588849-1	6588849-2	6588849-3

50/125 µm OM2 Multimode LC Test Kits

08

- Test Kits includes:
 - Cable Assemblies
 - LC Duplex Clips
 - Mandrels
 - Carrying case
- Test Kits for LC SECURE Connector Systems also available
- See "FIELD TESTING LC OPTICAL FIBER SYSTEMS" White Paper (available on-line at www.ampnetconnect.com) for test details

Description

Part Number

For use with Dual Fiber Testers with SC Transmit and LC Recieve Ports

1828867-1

For use with Dual Fiber Testers with ST Transmit and LC Recieve Ports

1828867-2

For use with Dual Fiber Testers with LC Transmit and LC Recieve Ports

1828867-3

50/125 µm OM2 Multimode Replacement Components for LC Test Kits

- Assemblies are 3m in length
- Assemblies are Simplex style
- Cable Assemblies are riser (OFNR) rated

Description

Part Number

Mandrels (Transmit side only)

1435119-1

LC Duplex Clips (pack of 6)

1754371-2

SC to LC Simplex Assembly, 3m

1907490-3

ST to LC Simplex Assembly, 3m

1907493-3

LC to LC Simplex Assembly, 3m

1907496-3

50/125 µm OM2 Multimode MT-RJ OTDR Test Assemblies

- For use in testing with an OTDR test set
- All assemblies are 100m in length

Description

Connector End 1

Connector End 2

Part Number

Launch Lead

MT-RJ

Dual SC Simplex

6588080-1

Dual ST

6588078-1

50/125 µm OM2 Multimode MT-RJ Loopbacks

Description

Part Number

MT-RJ Loopback

6278357-1

50/125 µm OM2 Multimode MT-RJ Test Kits



- Each test kit includes:
 - 1 - MT-RJ Adapter
 - 2 - MT-RJ (no pins) to SC simplex or ST cable assemblies
 - 1 - MT-RJ (with pins) to SC simplex or ST cable assembly
 - 1 - MT-RJ to MT-RJ cable assembly
 - 2 - Mandrels
 - 1 - Carrying case
- Test Kits for MT-RJ SECURE Connector Systems also available
- See "MT-RJ OPTICAL FIBER SYSTEMS TESTING" White Paper (available on-line at www.ampnetconnect.com) for details

Equipment Transmit Port

Part Number

SC

1278861-1

ST

1278861-2

Replacement Components for 50/125 µm OM2 Multimode MT-RJ Test Kits

- All assemblies are 4 m in length
- Pinned MT-RJ Cable Assemblies are used for testing only
- Cable Assemblies are riser-rated

Description

Connector End 1

Connector End 2

Part Number

Replacement Cable Assemblies

Unpinned MT-RJ

Unpinned MT-RJ

6435096-2

Unpinned MT-RJ

SC

6435092-2

Unpinned MT-RJ

ST-style

6435094-2

Pinned MT-RJ

SC

6435092-5

Pinned MT-RJ

ST-style

6435094-5

Replacement Coupler

MT-RJ Plug

MT-RJ Plug

1278017-1

Replacement Mandrel

Set of two, for 50/125 µm Fibers

–

1435119-2

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Colombia 57-1-3198999	China	Belgium 32-16-35-2190
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	Shenzhen 86-755-25154700	Estonia 358-95-12-34-20
	Wuhan 86-27-68850166	Finland 358-95-1234-20
	Indonesia 6221-526-7852	France 33-1-3420-212
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	Osaka 81-6-6533-8240	Greece 30-210-9370-396
	Korea 82-2-3274-0535	Hungary 36-1-289-1007
	Malaysia 603-705-3055	India 91-80-4011-5000
	New Zealand	Ireland 44-208-420-8140
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	Wellington 64-4-384-1495	Kazakhstan 7-327-244-5875
	Philippines 632-848-0171	Latvia 370-5-213-14-02
	Singapore 65-482-0311	For Eastern European Countries not shown 49-6103-709-1166
	Taiwan 886-2-87682788	For Middle East/African Countries not shown 33-1-3420-2122
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Tyco Electronics Corporation AMP NETCONNECT Global Offices:

North America

Harrisburg, PA, USA
Ph: +1-800-553-0938
Fx: +1-717-986-7406

Europe

Kessel-Lo, Belgium
Ph: +32-16-352-300
Fx: +32-16-352-353

Mid East & Africa

Cergy-Pontoise, France
Ph: +33-1-3420-2122
Fx: +33-1-3420-2268

Latin America

Buenos Aires, Argentina
Ph: +54-11-4733-2200
Fx: +54-11-4733-2282

Asia

Hongkong, China
Ph: +852-2735-1628
Fx: +852-2735-1625

Pacific

Sydney, Australia
Ph: +61-2-9407-2600
Fx: +61-2-9407-2519

Tyco Electronics Corporation AMP NETCONNECT North American Offices:

United States

Greensboro, NC, USA
Ph: +1-800-553-0938
Fx: +1-717-986-7406

Canada

Markham, Ontario, Canada
Ph: 905-475-6222
Fx: 905-474-5519





OM1 (62.5/125 μm) Multimode Optical Fiber Products





25 Year System Performance Coverage*

We are confident that your AMP NETCONNECT cabling system will keep performing to current TIA/EIA industry standards. If the registered system ever fails to meet those standards within 25 years of the date of installation, we'll provide the reasonable parts and labor to replace or repair the AMP NETCONNECT product.



25 Year Component Coverage*

Tyco Electronics also offers a 25 Year Component Warranty to protect individual AMP NETCONNECT cabling system components. If a component fails within 25 years of the date of installation, we'll provide the reasonable parts to replace or repair the registered AMP NETCONNECT product.

It's Standard Equipment

This coverage is automatically part of the package when*:

- AMP NETCONNECT products are specified end-to-end
- A Tyco Electronics authorized NETCONNECT Design & Installation (ND&I) contractor registers the network project with Tyco Electronics
- That ND&I performs the actual installation in accordance with Tyco Electronics requirements

Who's Covered

Unlike most systems suppliers, Tyco Electronics provides warranty coverage directly to the end user. Many suppliers provide coverage to the installers, who then provide coverage to the customer. But with Tyco Electronics warranties, there are no middlemen. The warranties are between you and Tyco Electronics.

For more information, please visit: <http://www.tycoelectronics.com/aboutus/pdf/tc.pdf>

Or call: 1-800-553-0938

Outside the U.S., please contact your local AMP NETCONNECT product sales office.

People & Products to Answer the Cabling Challenge.

Cabling a retail store, casino or office building can be complex. Yet the solution for productive connectivity and cable management can be as simple as talking to the right people - The AMP NETCONNECT business unit of Tyco Electronics.

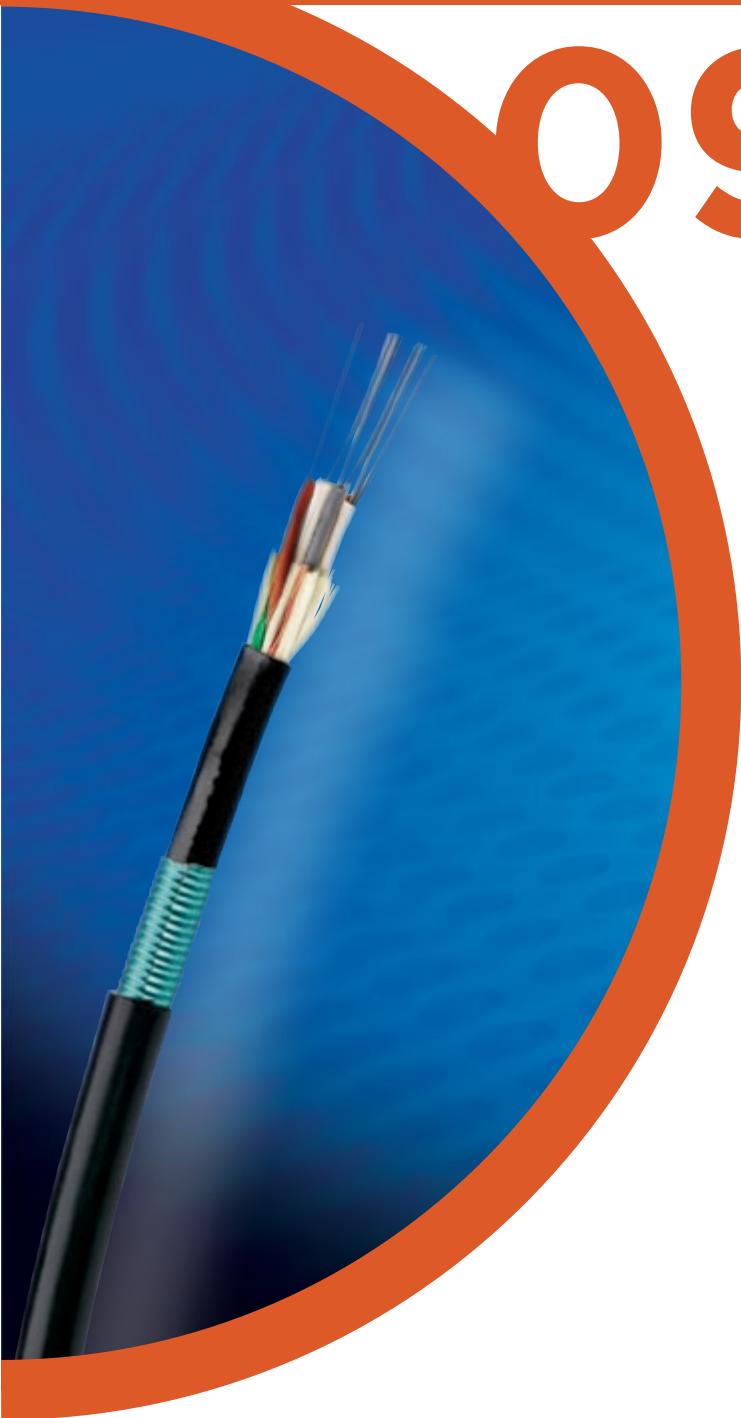
The reason is what we bring to the building infrastructure challenges you face. In-depth technical knowledge and expertise from decades of experience. Innovative technologies from ongoing R&D. And quality products for every power, data, voice and video networking need. One of the broadest lines in the industry, in fact.

Additionally, it's what we do to answer the challenge: develop and deliver integrated, made-to-order solutions that optimize network performance, increase productivity and produce more immediate return-on-investment.

And it's not just providing technology. It's making sure solutions are efficiently and effectively installed: working with distributors and customers so products are delivered when and where you need them. And maintaining a global network of certified installation contractors.

It all means, simply, that AMP NETCONNECT cabling systems provide the answers you're looking for: the whole solution for any cabling challenge. From the ground up.

*Some conditions may apply. AMP NETCONNECT Home Net-Works Systems qualify for a 25 year component warranty only. For more information, please visit www.ampnetconnect.com or call 1-800-553-0938. Outside the U.S., please contact your local AMP NETCONNECT product sales office.



09

62.5/125 μm OM1 Optical Fiber General Product Information	02 – 05
Optical Fiber Interconnect Cable	06
Optical Fiber Distribution Cable	06
Interlocking Armor Optical Fiber Distribution Cable	07
Optical Fiber Indoor/Outdoor Cable	07
Optical Fiber Outside Plant (OSP) Cable	08
Optical Fiber Outside Plant Armored (OSPA) Cable	08
LightCrimp PLUS Connectors (No-epoxy/No-polish)	09
Epoxy/Polish Connectors	10
MT-RJ Jacks (No-epoxy/No-polish)	11
MT-RJ Jack Accessories	12
LightCrimp Splice	12
Snap-in Adapter Plates	13
Couplers & Adapters	13
LC Cable Assemblies	14
MT-RJ Cable Assemblies	14
SC Cable Assemblies	15
ST Cable Assemblies	15
Pigtail (Single-Ended) Cable Assemblies	15
LC Test Kits	16
Replacement Components for LC Test Kits	16
MT-RJ OTDR Test Assemblies	16
MT-RJ Test Kits	16
Replacement Components for MT-RJ Test Kits	16

62.5/125 µm OM1 Optical Fiber Cable Information

09

AMP NETCONNECT fiber optic cables contain fibers for use in optical fiber applications, including: local area networks (LANs), wide area networks (WANs), fiber to the curb (FTTC), fiber to the home (FTTH), fiber to the desk (FTTD), and others.

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	ANSI/TIA-568	ISO 11801	ICEA-596
ICEA-640	ICEA-696	IEC 793-1	IEC 794-1
Telecordia GR-409-CORE	Telecordia GR-20-CORE		

62.5/125 µm OM1 Optical Fiber Performance

Gigabit Ethernet @ 850 nm	Gigabit Ethernet @ 1300 nm	10 Gigabit Ethernet @ 850 nm	10 Gigabit Ethernet @ 1300 nm
300 m	550 m	33 m	300 m

62.5/125 µm OM1 (850/1300 nm) Optical Fiber Cable Performance Specifications

Cable Type	Maximum Attenuation dB/km		OFL Bandwidth MHz·km		Laser Bandwidth MHz·km	
	850 nm	1300 nm	850 nm	1300 nm	850 nm	1300 nm
Indoor Cables	3.5	1.2	200	500	—	—
Indoor/Outdoor and OSP Loose Tube Cables	3.5	1.2	200	500	—	—

Optical Fiber Cable Temperature Ranges

Cable Type	Condition	Riser		Plenum	
		Storage	Operating	Storage	Operating
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)	-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)	-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)	-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 +70°C (-40°F to +158°F)	-40°C to +70°C (-40°F to +158°F)	-40°C to +70°C (-40°F to +158°F)	-40°C to +70°C (-40°F to +158°F)
	Operating	-20°C to +70°C (-4°F to +158°F)	0°C to +70°C (32°F to +158°F)	0°C to +70°C (32°F to +158°F)	0°C to +70°C (32°F to +158°F)
	Installation	-10°C to +60°C (14°F to +140°F)	0°C to +60°C (32°F to +140°F)	0°C to +60°C (32°F to +140°F)	0°C to +60°C (32°F to +140°F)
Indoor/Outdoor Cables	Storage	-40°C to +70°C (-40°F to +160°F)	-40°C to +70°C (-40°F to +160°F)	-40°C to +70°C (-40°F to +160°F)	-40°C to +70°C (-40°F to +160°F)
	Operating	-40°C to +70°C (-40°F to +160°F)	-40°C to +70°C (-40°F to +160°F)	-40°C to +70°C (-40°F to +160°F)	-40°C to +70°C (-40°F to +160°F)
	Installation	-20°C to +60°C (-4°F to +140°F)	-20°C to +60°C (-4°F to +140°F)	-20°C to +60°C (-4°F to +140°F)	-20°C to +60°C (-4°F to +140°F)
Stranded Cables					
OSP (Loose Tube) Cables	Storage	-40°C to +70°C (-40°F to +158°F)		—	—
	Operating	-40°C to +70°C (-40°F to +158°F)		—	—
	Installation	-30°C to +60°C (-22°F to +140°F)		—	—

Optical Fiber Cable Technical Information

Cable Type	Fiber Count	Unit Count Units (Fibers/Unit)	Diameter mm (in)	Weight kg/km (lb/kft)	Tensile Load N (lbf)		Bending Radius mm (in)	
					Installation	Long Term	Installation	Long Term
Outside Plant, Single Loose Tube	4	1 (4)	8.3 (0.33)	50 (34)	2670 (600)	890 (200)	176 (6.9)	88 (3.5)
	6	1 (6)	8.3 (0.33)	50 (34)	2670 (600)	890 (200)	176 (6.9)	88 (3.5)
	8	1 (8)	8.3 (0.33)	50 (34)	2670 (600)	890 (200)	176 (6.9)	88 (3.5)
	12	1 (12)	8.3 (0.33)	50 (34)	2670 (600)	890 (200)	176 (6.9)	88 (3.5)
	24	2 (12)	11.0 (0.43)	100 (67)	2670 (600)	890 (200)	242 (9.5)	121 (4.8)
Outside Plant, Stranded Loose Tube	36	3 (12)	11.0 (0.43)	93 (62)	2670 (600)	890 (200)	242 (9.5)	121 (4.8)
	48	4 (12)	11.0 (0.43)	97 (65)	2670 (600)	890 (200)	242 (9.5)	121 (4.8)
	72	6 (12)	11.9 (0.47)	130 (87)	2670 (600)	890 (200)	252 (9.9)	126 (5.0)
	96	8 (12)	13.6 (0.53)	158 (106)	2670 (600)	890 (200)	287 (11.3)	144 (5.6)
	144	12 (12)	17.6 (0.69)	252 (169)	2670 (600)	890 (200)	364 (14.3)	182 (7.2)
Outside Plant, Armored Single Loose Tube	4	1 (4)	10.9 (0.43)	140 (94)	2670 (600)	890 (200)	244 (9.6)	122 (4.8)
	6	1 (6)	10.9 (0.43)	140 (94)	2670 (600)	890 (200)	244 (9.6)	122 (4.8)
	8	1 (8)	10.9 (0.43)	140 (94)	2670 (600)	890 (200)	244 (9.6)	122 (4.8)
	12	1 (12)	10.9 (0.43)	140 (94)	2670 (600)	890 (200)	244 (9.6)	122 (4.8)
	24	2 (12)	13.8 (0.55)	214 (144)	2670 (600)	890 (200)	315 (12.4)	158 (6.2)
Outside Plant, Armored Stranded Loose Tube	36	3 (12)	13.8 (0.55)	218 (146)	2670 (600)	890 (200)	315 (12.4)	158 (6.2)
	48	4 (12)	13.8 (0.55)	223 (150)	2670 (600)	890 (200)	315 (12.4)	158 (6.2)
	72	6 (12)	14.8 (0.58)	265 (178)	2670 (600)	890 (200)	335 (13.2)	167 (6.6)
	96	8 (12)	16.7 (0.69)	307 (206)	2670 (600)	890 (200)	378 (14.9)	189 (7.4)
	144	12 (12)	21.4 (0.84)	498 (335)	2670 (600)	890 (200)	455 (17.9)	228 (9)

OM1 (62.5/125 μm) Multimode



Optical Fiber Cable Technical Information (Continued)

Cable Type	Fiber Count	Unit Count Units (Fibers/ Unit)	UL/NEC Ratings	Diameter mm (in)	Weight kg/km (lb/ kft)	Tensile Load N (lbf)		Bending Radius mm (in)	
						Installation	Long Term	Installation	Long Term
Interconnect, Simplex	1	1 (1)	OFNR	2.0 (0.08)	5 (3)	40 (9)	12 (3)	50 (1.97)	25 (0.98)
			OFNP	2.0 (0.08)	6 (4)	40 (9)	12 (3)	50 (1.97)	25 (0.98)
			OFNR	2.9 (0.11)	8 (5)	100 (22)	30 (7)	58 (2.3)	29 (1.1)
			OFNP	2.9 (0.11)	9 (6)	100 (22)	30 (7)	58 (2.3)	29 (1.1)
Interconnect, Zipcord	2	2 (1)	OFNR	2.0 (0.08) x 4.1 (0.16)	8 (5)	40 (9)	12 (3)	50 (1.97)	25 (0.98)
			OFNP	2.0 (0.08) x 4.1 (0.16)	10 (7)	40 (9)	12 (3)	50 (1.97)	25 (0.98)
			OFNR	2.9 (0.11) x 5.9 (0.23)	15 (10)	100 (22)	30 (7)	58 (2.3)	29 (1.1)
			OFNP	2.9 (0.11) x 5.9 (0.23)	15 (10)	100 (22)	30 (7)	58 (2.3)	29 (1.1)
Interconnect, Dual	2	1 (2)	OFNR	2.9 (0.11)	7 (5)	100 (22)	30 (7)	57 (2.2)	29 (1.1)
			OFNP	2.9 (0.11)	9 (6)	100 (22)	30 (7)	57 (2.2)	29 (1.1)
			OFNR	4.8 (0.3)	20 (13)	100 (22)	30 (7)	96 (3.8)	48 (1.9)
			OFNP	4.8 (0.3)	30 (20)	100 (22)	30 (7)	96 (3.8)	48 (1.9)
Interconnect, Quad	4	1 (4)	OFNR	4.8 (0.3)	25 (17)	100 (22)	30 (7)	96 (3.8)	48 (1.9)
			OFNP	4.8 (0.3)	30 (20)	100 (22)	30 (7)	96 (3.8)	48 (1.9)
Distribution	6	1 (6)	OFNR	5.2 (0.20)	29 (19)	660 (150)	198 (45)	114 (4.5)	57 (2.2)
			OFNP	4.8 (0.19)	24 (16)	440 (100)	132 (30)	110 (4.3)	55 (2.2)
	8	1 (8)	OFNR	5.7 (0.22)	24 (16)	660 (150)	198 (45)	136 (5.4)	68 (2.7)
			OFNP	5.0 (0.20)	26 (17)	440 (100)	132 (30)	110 (4.3)	55 (2.2)
	12	1 (12)	OFNR	6.0 (0.24)	37 (25)	660 (150)	198 (45)	128 (5)	64 (2.5)
			OFNP	5.7 (0.23)	46 (31)	440 (100)	132 (30)	128 (5)	64 (2.5)
	24	1 (24)	OFNR	8.0 (0.31)	61 (41)	1320 (300)	396 (90)	178 (7)	89 (3.5)
			OFNP	7.7 (0.30)	69 (46)	660 (150)	198 (45)	168 (6.6)	84 (3.3)
	24	2 (12)	OFNR	7.4 x 13.0 (0.29 x 0.51)	87 (58)	1320 (300)	396 (90)	284 (11.2)	142 (5.6)
			OFNP	7.0 x 12.4 (0.28 x 0.49)	92 (62)	660 (150)	198 (45)	264 (10.4)	132 (5.2)
	24	4 (6)	OFNR	13.4 (0.53)	180 (121)	1320 (300)	396 (90)	275 (10.8)	137 (5.4)
			OFNP	13.3 (0.52)	200 (134)	660 (150)	198 (45)	266 (10.5)	133 (5.2)
	36	6 (6)	OFNR	16.4 (0.65)	220 (148)	1320 (300)	396 (90)	342 (13.5)	171 (6.7)
			OFNP	16.0 (0.63)	255 (171)	660 (150)	198 (45)	327 (12.9)	164 (6.4)
	48	4 (12)	OFNR	16.0 (0.63)	250 (168)	1320 (300)	396 (90)	350 (13.8)	175 (6.9)
			OFNP	15.2 (0.60)	202 (136)	660 (150)	198 (45)	312 (12.3)	156 (6.1)
	72	6 (12)	OFNR	18.9 (0.75)	301 (202)	1320 (300)	396 (90)	386 (15.2)	193 (7.6)
			OFNP	18.5 (0.73)	316 (212)	660 (150)	198 (45)	386 (15.2)	193 (7.6)
	96	8 (12)	OFNR	22.8 (0.90)	433 (291)	1320 (300)	396 (90)	462 (18.2)	231 (9.1)
			OFNP	22.0 (0.86)	466 (313)	660 (150)	198 (45)	448 (17.6)	224 (8.8)
	144	12 (12)	OFNR	24.8 (0.98)	461 (310)	1320 (300)	396 (90)	514 (20.2)	257 (10.1)
			OFNP	24.2 (0.95)	474 (319)	660 (150)	198 (45)	514 (20.2)	257 (10.1)
Distribution, Interlocking Armor	6	1 (6)	OFCP	13.1 (0.52)	117 (79)	1335 (300)	400 (90)	197 (7.8)	131 (5.2)
	12	1 (12)	OFCP	13.3 (0.52)	129 (87)	1335 (300)	400 (90)	199 (7.8)	133 (5.2)
	24	1 (24)	OFCP	14.8 (0.58)	176 (119)	1780 (400)	534 (120)	223 (8.8)	148 (5.8)
	24	2 (12)	OFCP	18.9 (0.74)	240 (161)	1780 (400)	534 (120)	192 (7.6)	128 (5.0)
	48	4 (12)	OFCP	23.4 (0.92)	408 (274)	2640 (600)	800 (180)	351 (13.8)	234 (9.2)
	72	6 (12)	OFCP	24.7 (0.97)	537 (361)	2640 (600)	800 (180)	371 (14.6)	247 (9.7)
Indoor/Outdoor, Single Loose Tube	6	1 (6)	OFNR	6.5 (0.26)	45 (30)	1335 (300)	400 (90)	97 (3.8)	65 (2.6)
			OFNP	6.6 (0.26)	45 (30)	1335 (300)	400 (90)	99 (3.9)	66 (2.6)
	8	1 (8)	OFNR	6.5 (0.26)	45 (30)	1335 (300)	400 (90)	97 (3.8)	65 (2.6)
			OFNP	6.6 (0.26)	46 (31)	1335 (300)	400 (90)	99 (3.9)	66 (2.6)
	12	1 (12)	OFNR	6.5 (0.26)	45 (30)	1335 (300)	400 (90)	97 (3.8)	65 (2.6)
			OFNP	6.6 (0.26)	46 (31)	1335 (300)	400 (90)	99 (3.9)	66 (2.6)
Indoor/Outdoor, Stranded Loose Tube	24	2 (12)	OFNR	10.1 (0.40)	84 (56)	2670 (600)	890 (200)	151 (5.9)	101 (4.0)
			OFNP	9.7 (0.38)	86 (58)	2670 (600)	890 (200)	145 (5.7)	97 (3.8)
	36	3 (12)	OFNR	10.1 (0.40)	84 (56)	2670 (600)	890 (200)	151 (5.9)	101 (4.0)
			OFNP	9.7 (0.38)	86 (58)	2670 (600)	890 (200)	145 (5.7)	97 (3.8)
	48	4 (12)	OFNR	10.1 (0.40)	84 (56)	2670 (600)	890 (200)	151 (5.9)	101 (4.0)
			OFNP	9.7 (0.38)	86 (58)	2670 (600)	890 (200)	145 (5.7)	97 (3.8)
	72	6 (12)	OFNR	11.9 (0.47)	111 (75)	2670 (600)	890 (200)	178 (7.0)	119 (4.7)
			OFNP	11.7 (0.46)	101 (68)	2670 (600)	890 (200)	175 (6.9)	117 (4.6)
	96	8 (12)	OFNR	13.7 (0.54)	147 (99)	2670 (600)	890 (200)	206 (8.1)	137 (5.4)
			OFNP	13.5 (0.53)	175 (118)	2670 (600)	890 (200)	203 (8.0)	135 (5.3)
	144	12 (12)	OFNR	17.8 (0.70)	252 (169)	4448 (1000)	1335 (300)	267 (10.5)	178 (7.0)
			OFNP	17.7 (0.70)	300 (202)	4448 (1000)	1335 (300)	255 (10.1)	170 (6.7)

Optical Fiber Connector Termination Comparison Chart

		MT-RJ Jacks Outlet, Patch Panel	LightCrimp Plus LC, SC, ST	Epoxy/Polish LC, SC, ST
Termination Technology	Epoxy Required	NO	NO	YES
	Polish Required	NO	NO	YES
	Crimp Required	NO	YES	YES
Setup Time	(Each Location)	< 3 Minutes	< 2 Minutes	< 12 Minutes
Installation Time	(Each Fiber)	~ 1 Minute	~ 1 Minute	7 – 25 Minutes
Connector Cost	(Relative)	Higher	Higher	Lower
Installation Labor Cost	(Relative)	Lower	Lower	Higher
Tool Kit Cost	(Relative)	Lower	Lower	Higher
Skill Level	(Relative)	Lower	Lower	Higher
Training Time	(Relative)	Short	Short	High

NOTE: Entries for time and cost are estimates and relative comparisons. Actual results will vary depending on experience level and conditions at time of termination.

Jack, Plug and Insert Compatibility List

Description		Part Number	SL Series MT-RJ and MT-RJ SECURE Outlet Jacks	MT-RJ and MT-RJ SECURE Patch Panel Jacks	LightCrimp Plus			Epoxy/Polish		
					LC	SC	ST	LC	SC	ST
SL Series Modules	2-Port	1116409	X	–	–	–	–	–	–	–
	2-Port	1116406	X	–	–	–	–	–	–	–
	3-Port	1116408	X	–	–	–	–	–	–	–
	Duplex SC, Single-mode	1375306	–	–	–	X	–	–	X	–
	Duplex SC, Multimode	1375123	–	–	–	X	–	–	X	–
	Duplex SC to ST, Multimode	1375241	–	–	–	X	X	–	X	X
SL Series Inserts	ST, Multimode	1339123	–	–	–	–	X	–	X	X
	ST, Single-mode	1479181	–	–	–	–	X	–	–	X
	LC Duplex, Multimode	1435735	–	–	X	–	–	X	–	–
	LC Duplex, Single-mode	1435799	–	–	X	–	–	X	–	–
	MT-RJ SL Series Housing, Single-mode/Multimode	1374416	X*	X	–	–	–	–	–	–
	HIDEAWAY and HIDEOUT SC Duplex, Multimode	5504640	–	–	–	X	–	–	X	–
HIDEAWAY and HIDEOUT	SC Duplex to Dual ST, Multimode	5504663	–	–	–	X	X	–	X	X
HIDEAWAY and HIDEOUT	Dual ST, Multimode	504662	–	–	–	–	X	–	–	X
HIDEAWAY and HIDEOUT	MT-RJ Parallel Dress Clips, 1-Port	1374206	X**	X	–	–	–	–	–	–
HIDEAWAY and HIDEOUT	MT-RJ Parallel Dress Clips, 2-Port	1374205	X**	X	–	–	–	–	–	–
Surface Mount Inserts	1-Port	1116098	X	–	–	–	–	–	–	–
Surface Mount Inserts	2-Port	557775	X	–	–	–	X	–	–	X
Surface Mount Inserts	2-Port	557350	–	–	–	–	–	–	–	–
Universal Office Box Inserts	ST, Multimode	1479495	–	–	–	–	X	–	–	X
ACO Dual-Port Faceplate	Dual - SC Duplex, Multimode	503662	–	–	–	X	–	–	X	–
ACO Dual-Port Faceplate	Quad - ST, Multimode	502604	–	–	–	–	X	–	–	X
ACO Dual-Port Faceplate	Dual - ST, Multimode	502604	–	–	–	–	X	–	–	X
AFWM Flush Faceplates	Dual - SC Duplex, Multimode	557322	–	–	–	X	–	–	X	–
AFWM Flush Faceplates	Quad - ST, Multimode	557474	–	–	–	–	X	–	–	X
Optical Fiber MUO Mod	MT-RJ Jack, Single-mode/Multimode	1375347	X**	X	–	–	–	–	–	–
Optical Fiber MUO Mod	SC Duplex, Multimode	406818	–	–	–	X	–	–	X	–
Optical Fiber MUO Mod	SC Duplex to Dual ST, Multimode	406819	–	–	–	X	X	–	X	X
Optical Fiber MUO Mod	Dual ST, Multimode	406820	–	–	–	–	X	–	–	X

*Note: SL Series MT-RJ Outlet Jacks come with SL Series MT-RJ Housing.

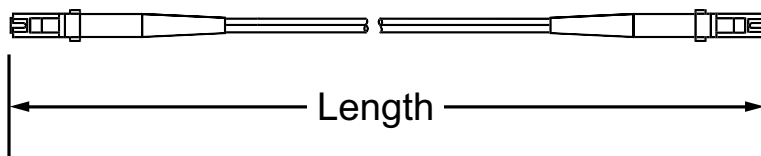
**Note: SL Series Housing is not used when using SL Series MT-RJ Outlet Jacks with MT-RJ Parallel Dress Clips or MT-RJ Jack MUO Modules.

OM1 (62.5/125 μm) Multimode

Jack, Plug and Insert Compatibility List

Test Description		FOTP*	Requirement
Visual and Mechanical Inspection:	MT-RJ	13	TIA/EIA-604-12 (FOCIS 12)
Visual and Mechanical Inspection:	SC	13	TIA/EIA-604-3 (FOCIS 3)
Visual and Mechanical Inspection:	ST	13	TIA/EIA-604-2 (FOCIS 2)
Visual and Mechanical Inspection:	LC	13	TIA/EIA-604-10 (FOCIS10)
Attenuation		34	< 0.75 dB
Return Loss		107	< -20 dB
Low Temperature (0° C for 4 days)		188	< 0.3 dB change
Temperature Life (55° C for 14 days)		7	< 0.3 dB change
Humidity (90 to 95% @ 40° C for 4 days)		5	< 0.3 dB change
Impact (8 drops from 1.8 m)		2	< 0.75 dB IL, < -20 dB RL
Durability (500 cycles)		21	< 0.75 dB IL, < -20 dB RL
Cable Retention (0° and 90°)		6	< 0.75 dB IL, < -20 dB RL
Flex (100 cycles)		1	< 0.75 dB IL, < -20 dB RL
Twist (10 cycles)		36	< 0.75 dB IL, < -20 dB RL

Optical Fiber Cable Assembly Length Reference



Meter to Foot and Inch Reference

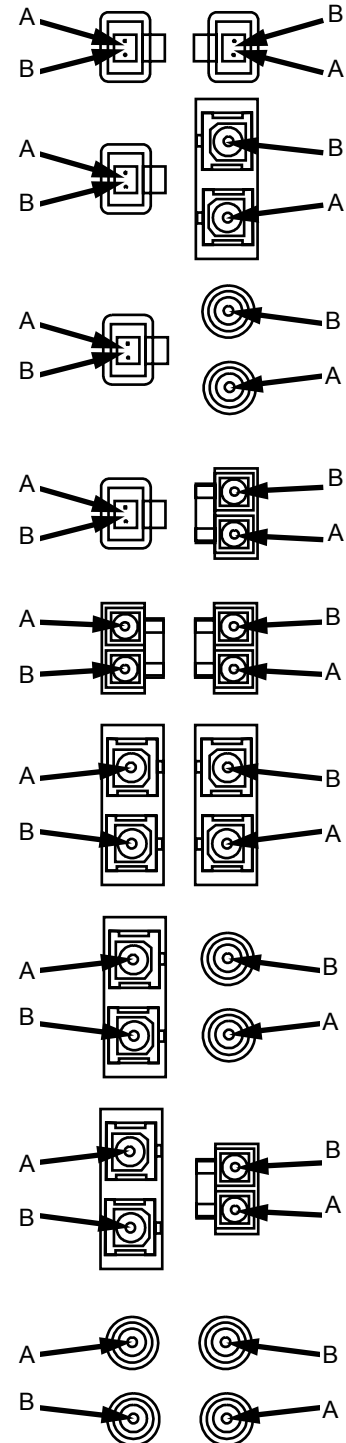
Length in Meters	Length in Feet	Length in Inches
1	3.28	39.37
2	6.56	78.74
3	9.84	118.11
4	13.12	157.48
5	16.40	196.85
6	19.68	236.21
7	22.96	275.59
8	26.25	314.96
9	29.52	354.33
10	32.80	393.70
20	65.62	787.40
30	98.42	1181.10
40	131.23	1574.80
50	164.04	1968.50
60	196.85	2362.20
70	229.66	2755.90
80	262.47	3149.60
90	295.27	3543.30
100	328.08	3937.00
110	360.89	4330.69
120	393.70	4724.39
130	426.51	5118.09
140	459.32	5511.79
150	492.12	5905.49
160	524.93	6299.19
170	557.74	6692.89
180	590.55	7086.59
190	623.36	7480.29
200	656.17	7873.99

Note: Conversion chart is for reference only and does not imply actual assembly length.

Fiber Polarity

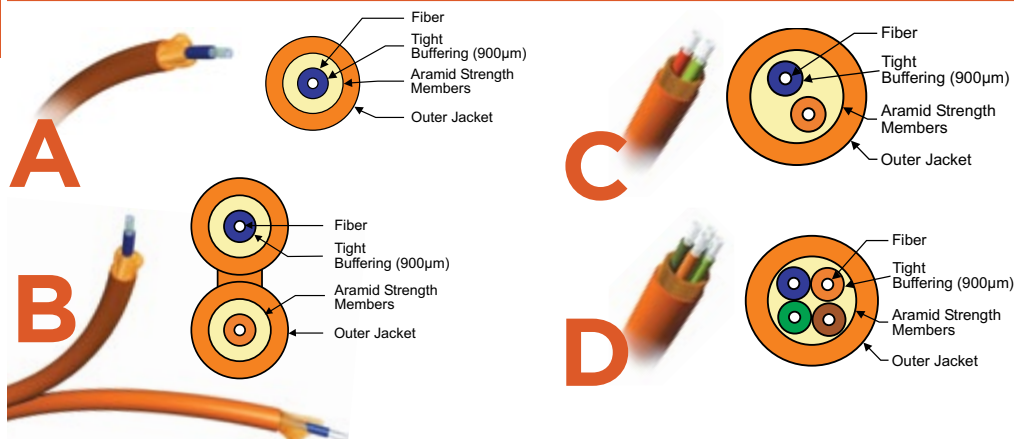
Fiber Color	End 1 Connector	End 2 Connector
White	A	B
Blue	B	A

09



62.5/125 μm OM1 Multimode Optical Fiber Interconnect Cable

09

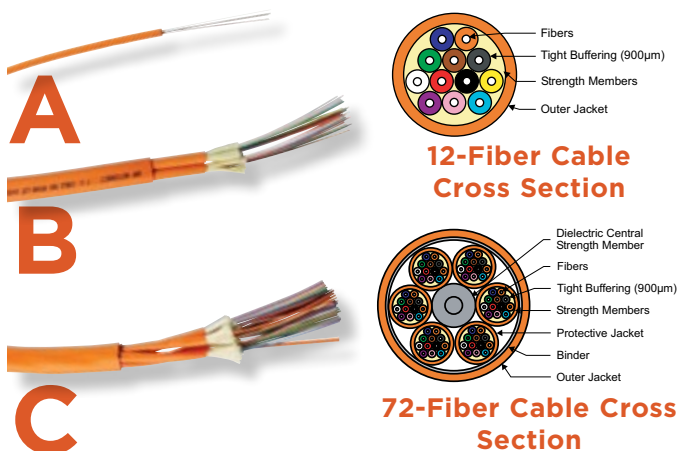


- Suitable for direct termination with epoxy/polish, LightCrimp, LightCrimp PLUS, and MT-RJ jacks for use in pigtails, and patch cords
- Simplex and zipcord cables are additionally suitable for use in internal equipment connections
- Aramid yarn reinforcement
- UL and cUL listed OFNR (Riser) or OFNP (Plenum)
- Outer Jacket Color: Orange
- Hybrid cables and other jacket colors are available
- See Customer Specification 114-92001 at www.ampnetconnect.com for additional information



Cable Type	Fiber Count	Unit Count Units (Fibers/Unit)	Figure	Riser (OFNR)	Plenum (OFNP)
Simplex (2.0mm)	1	1 (1)		1-1553406-1	1-1553407-1
Simplex (2.9mm)	1	1 (1)	A	1-1553408-1	1-1553409-1
Zipcord (2.0mm)	2	2 (1)		1-1553410-1	1-1553411-1
Zipcord (2.9mm)	2	2 (1)	B	1-1553412-1	1-1553413-1
Dual (2.9 mm)	2	1 (2)	C	1-1553414-1	1-1553415-1
Dual (4.8 mm)	2	1 (2)		1-1553416-1	1-1553417-1
Quad (4.8 mm)	4	1 (4)	D	1-1553418-1	1-1553419-1

62.5/125 μm OM1 Multimode Optical Fiber Distribution Cable



- Suitable for horizontal and in-building backbone cabling and for direct termination with epoxy/polish, LightCrimp, LightCrimp PLUS and MT-RJ jacks
- Strippable 900 μm tight buffer coating allows for easy connectorization
- TIA color-coded fibers for easy identification
- UL and cUL listed OFNR (Riser) or OFNP (Plenum)
- Outer Jacket Color: Orange
- Hybrid cables and other jacket colors are available
- See Customer Specification 114-92000 at www.ampnetconnect.com for additional information



Fiber Count	Unit Count Unit (Fibers/Unit)	Figure	Riser (OFNR)	Plenum (OFNP)
6	1 (6)	A	1-1553307-1	1-1553308-1
8	1 (8)		1-1553309-1	1-1553310-1
12	1 (12)		1-1553311-1	1-1553312-1
	1 (24)		1-1553313-1	1-1553314-1
24	2 (12)	B	1-1553315-1	1-1553316-1
	4 (6)		1-1553317-1	1-1553318-1
36	6 (6)		1-1553319-1	1-1553320-1
48	4 (12)	C	1-1553321-1	1-1553322-1
72	6 (12)		1-1553323-1	1-1553324-1
96	8 (12)		1-1553325-1	1-1553326-1
144	12 (12)		1-1553327-1	1-1553328-1

OM1 (62.5/125 µm) Multimode



62.5/125 µm OM1 Multimode Interlocking Armor Optical Fiber Distribution Cable

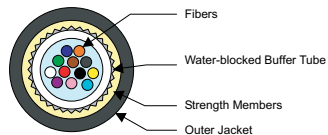


- Robust construction provides extra protection for optical fibers
- Interlocking armor enhances flexibility
- Lightweight aluminum armor simplifies handling
- Installer-friendly plenum rated
- over-jacketing makes cable pulls easier
- Over-jacketing color: Orange
- Hybrid cables and other jacket colors are available
- Pending local codes, may eliminate the need for innerduct
- OFCP (Plenum) rated
- TIA Color Coded fibers
- Strippable 900 µm tight buffer coating allows for easy connectorization
- Indoor/Outdoor and specialty versions available

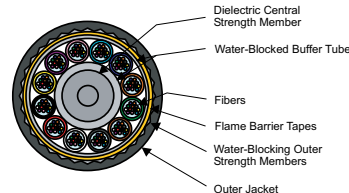
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Fiber Count	Unit Count Units (Fibers/Unit)	Figure	UL/NEC Ratings	Part Number
6	1 (6)	A	Plenum (OFCP)	1-1777121-7
12	1 (12)		Plenum (OFCP)	1-1777117-7
24	1 (24)		Plenum (OFCP)	1-1553420-1
	2 (12)		Plenum (OFCP)	1-1777122-7
48	4 (12)		Plenum (OFCP)	1-1777123-7
72	6 (12)		Plenum (OFCP)	1-1777124-7

62.5/125 µm OM1 Multimode Optical Fiber Indoor/Outdoor Cable



12-Fiber Cable Cross Section



144-Fiber Cable Cross Section

- Suitable for in-building and inter-building backbone cabling
- Can eliminate the need for a transition point and splicing when entering buildings - go directly from outdoors into building riser or plenum spaces
- Water-blocked buffer tube for water penetration protection
- Flame-retardant UV-protected jacket for harsh outdoor environments
- All-dielectric construction
- UL and cUL listed OFNR (Riser) and OFNP (Plenum)
- Single loose tube cables:
 - TIA color-coded fibers for easy identification
 - Water-blocked buffer tube for water penetration protection
 - Small diameter single tube construction saves space inside ducts
- Stranded loose tube cables:
 - Outer Jacket Color is Black for all Fiber Types
 - Hybrid cables and other jacket colors are available
 - Reverse oscillating lay construction for easy midspan access
 - Dry water blocking technology
 - TIA color-coded fibers in TIA color-coded tubes for easy identification
- See Customer Specification 114-92002 at: www.ampnetconnect.com for additional information



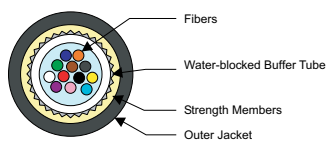
Cable Type	Fiber Count	Unit Count Unit (Fibers/Unit)	Figure	Riser (OFNR)	Plenum (OFNP)
Single Loose Tube	6	1 (6)	A	6-1553342-1	6-1553343-1
	8	1 (8)		6-1553344-1	6-1553345-1
	12	1 (12)		6-1553346-1	6-1553347-1
Stranded Loose Tube	24	2 (12)	C	6-1553348-1	6-1553349-1
	36	3 (12)		6-1553350-1	6-1553351-1
	48	4 (12)		6-1553352-1	6-1553353-1
	72	6 (12)		6-1553354-1	6-1553355-1
	96	8 (12)		6-1553356-1	6-1553357-1
	144	12 (12)		6-1553358-1	6-1553359-1

62.5/125 μm OM1 Multimode Optical Fiber Outside Plant (OSP) Cable

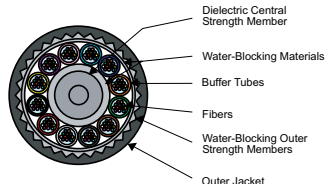
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A



12-Fiber Cable Cross Section



144-Fiber Cable Cross Section

- Suitable for inter-building backbone cabling (aerial, duct or direct burial)
- Dry water-blocking technology
- UV-protected jacket for harsh outdoor environment
- Low friction jacket for ease of pulling through ducts
- All-dielectric construction
- Outer jacket color: black
- See Customer Specification 114-92003 at: www.ampnetconnect.com for additional information
- Single loose tube cables:
 - TIA color-coded fibers for easy identification
 - Small diameter single tube construction saves space inside ducts
- Stranded loose tube cables:
 - Reverse oscillating lay construction for easy midspan access
 - TIA color-coded fibers and buffer tubes for easy identification

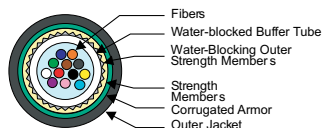
Fiber Count	Unit Count Units (Fibers/Unit)	Figure	Part Number
4	1 (4)		6-1553386-1
6	1 (6)		6-1553387-1
8	1 (8)		6-1553388-1
12	1 (12)		6-1553389-1
24	2 (12)		6-1553390-1
36	3 (12)		6-1553391-1
48	4 (12)		6-1553392-1
72	6 (12)		6-1553393-1
96	8 (12)		6-1553394-1
144	12 (12)	A	6-1553395-1

62.5/125 μm OM1 Multimode Optical Fiber Outside Plant Armored (OSPA) Cable

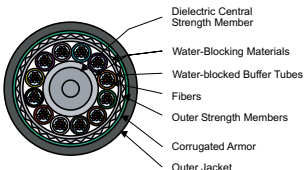


A

B



12-Fiber Cable Cross Section



144-Fiber Cable Cross Section

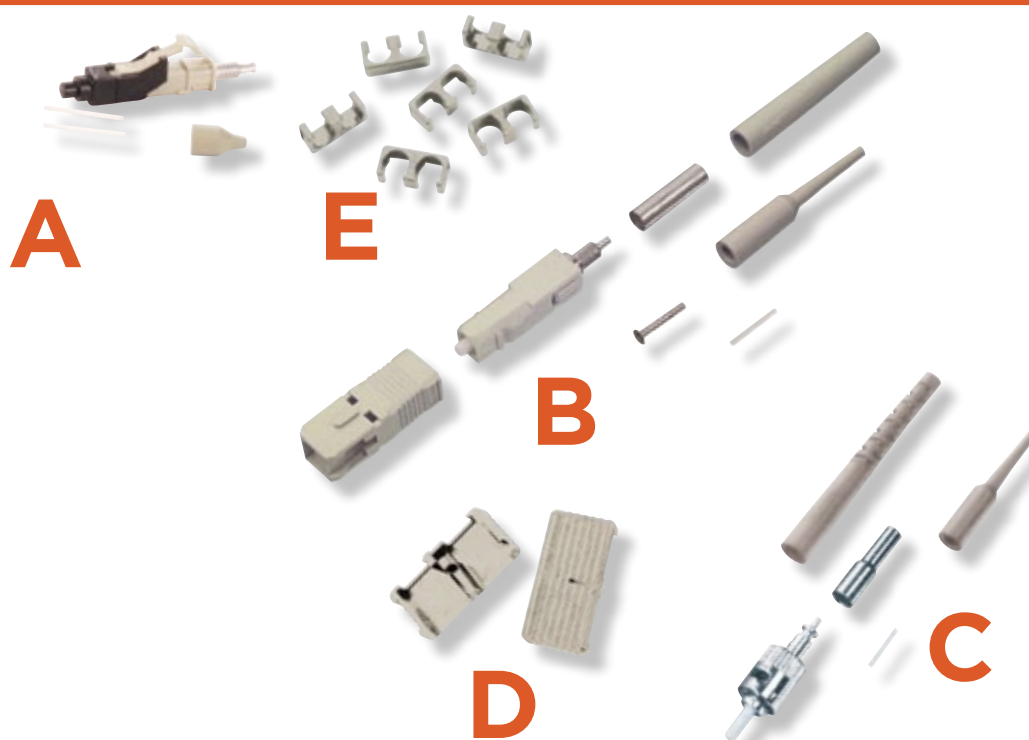
- Suitable for inter-building backbone cabling (aerial, duct or direct buried)
- Dry water-blocking technology
- UV-protected jacket for harsh outdoor environment
- Low friction jacket for ease of pulling through ducts
- Corrugated steel tape armor for rugged environments and rodent protection
- Outer jacket color: black
- See Customer Specification 114-92003 at: www.ampnetconnect.com for additional information
- Single loose tube cables:
 - TIA color-coded fibers for easy identification
 - Small diameter single tube construction saves space inside ducts
- Stranded loose tube cables:
 - TIA color-coded fibers and buffer tubes for easy identification
 - Reverse oscillating lay construction for easy midspan access
 - Hybrid cables (with single-mode and multimode fibers) are available to provide a built-in migration path for future applications that will require single-mode fibers

Cable Type	Fiber Count	Unit Count Units (Fibers/Unit)	Figure	Part Number
Single Loose Tube	4	1 (4)		6-1553396-1
	6	1 (6)	A	6-1553397-1
	8	1 (8)		6-1553398-1
	12	1 (12)		6-1553399-1
Stranded Loose Tube	24	2 (12)		6-1553400-1
	36	3 (12)		6-1553401-1
	48	4 (12)	B	6-1553402-1
	72	6 (12)		6-1553403-1
	96	8 (12)		6-1553404-1
	144	12 (12)		6-1553405-1

OM1 (62.5/125 μm) Multimode

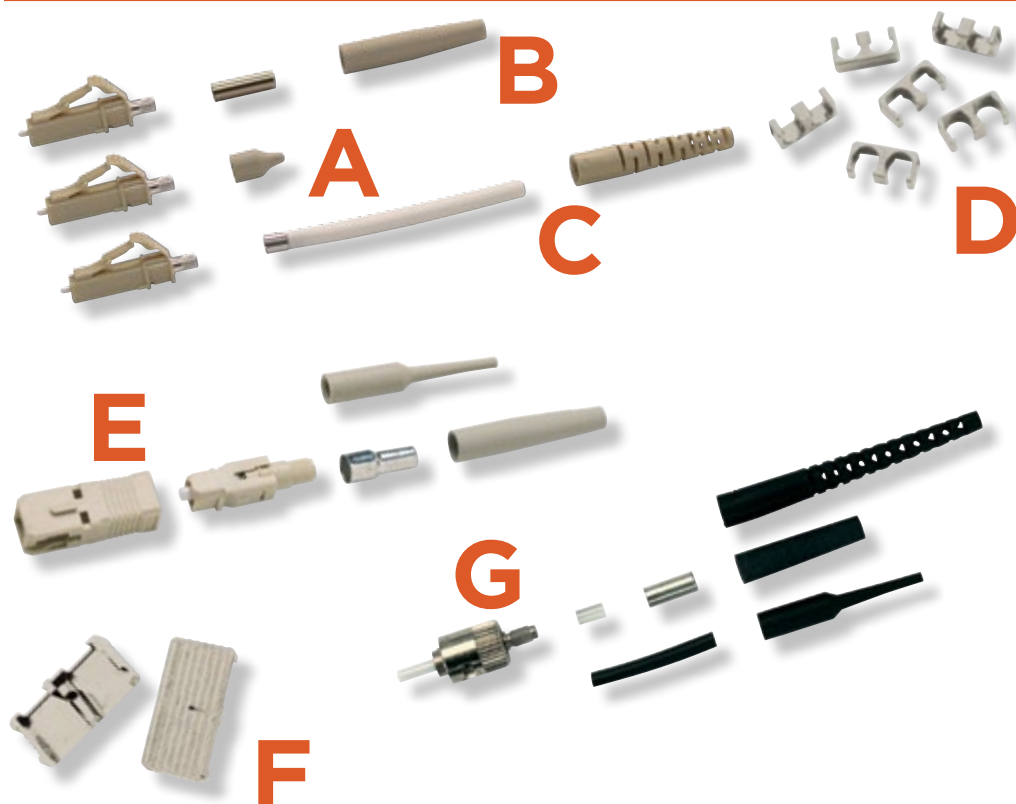
62.5/125 μm OM1 Multimode LightCrimp PLUS Connectors (No-epoxy/No-polish)

09



- Easy installation:
- No epoxy, no polishing
- No bench tool required
- Strip, cleave, and crimp
- Match fiber type of cable to fiber type of LightCrimp Plus connector
- Mates with standard couplers, adapters, and adapter plates
- LC small form factor design is half the size of SC
- Select appropriate part number for termination to:
 - 900 μm tight-buffered fiber or 250 μm coated fiber
 - 1.6 – 2.0 mm jacketed fiber
 - 3 mm jacketed fiber
- LC connector clip turns simplex connectors into duplex connectors and allows for polarity correction after termination.
- Termination tool kits in Chapter 22

Connector Type	Housing Color	Boot Color	Used With	Figure	Part Number
LC Simplex	Beige	Beige	900 μm buffered and 250 μm coated fibers	A	6754483-1
			1.6 to 2.0 mm Jacketed Cable		1918627-1
SC Simplex	Beige	Beige	900 μm buffered fibers, 250 μm coated fibers, and 3 mm Jacketed Cable	B	5492643-1
ST	Metallic	Beige	900 μm buffered fibers, 250 μm coated fibers, and 3 mm Jacketed Cable	C	5492642-2
Duplex LC Clip, package of 6	Beige	–	Simplex LC Connectors	D	1754371-5
1/2 Duplex SC Clip (two are required to make a complete clip)	Beige	–	Simplex SC Connectors	E	6348522-4



- Each connector kit comes with accessories needed to terminate to 250 μ m fiber, 900 μ m tight-buffered fiber, 900 μ m easy-strip, buffer tube splitter kits, 2 mm or 3 mm cable (select appropriate part number)
- Suitable for use with heat-cured or anaerobic (quick cure) adhesive
- See Instruction Sheet for recommended anaerobic adhesive
- Mates with standard couplers, adapters, and adapter plates
- LC small form factor design is half the size of SC
- Pre-radiused ceramic ferrules for easy polishing
- Duplex SC can be assembled using two Simplex SC connectors and one duplex clip
- Boot type and coupling nut options (select appropriate part number)

Description	Housing Color	Boot Color	Used With	Figure	Part Number
LC Simplex	Beige	Beige	900 μ m buffered and 250 μ m coated fibers	A	1918385-1
			1.6 to 2 mm Jacketed Cable	B	1918267-1
			3.0 mm Jacketed Cable	C	1918375-1
Duplex LC Clip, package of 6	Beige	–	Simplex LC Connectors	D	1754371-5
SC Simplex	Beige	Beige	900 μ m buffered fibers and 3 mm Jacketed Cable	E	5503948-5
			3 mm Jacketed Cable		5503948-1
			900 μ m buffered and 250 μ m coated fibers	E	5504932-6
			2 mm Jacketed Cable		5504931-1
½ Duplex SC Clip (two are required to make a complete clip)	Beige	–	Simplex SC Connectors	F	6348522-4
ST	Black	Black	900 μ m buffered fibers, 250 μ m coated fibers, and 3 mm Jacketed Cable		5503571-3
	Metalic	Black	900 μ m buffered fibers, 250 μ m coated fibers, and 3 mm Jacketed Cable	G	5492458-1
			3 mm Jacketed Cable		1-5501380-6
			900 μ m buffered fibers, 250 μ m coated fibers, and 3 mm Jacketed Cable	G	5501380-1

OM1 (62.5/125 μm) Multimode



62.5/125 μm OM1 Multimode MT-RJ Jacks (No-epoxy/No-polish)

09

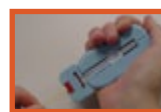


MT-RJ Patch Panel Jacks

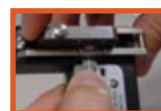
MT-RJ Outlet Jack



SL Series Housing



Strip



Cleave



Lock

- Patch panel jacks terminate either two 900 μm tight-buffered fibers or two 250 μm coated fibers (select appropriate part number)
- Outlet jacks terminate two 900 μm tight-buffered fibers
- Match fiber type of cable to fiber type of MT-RJ Jack
- No epoxy, no polishing, no crimping
- Two fibers in one ferrule
- Jacks can be reterminated improving yield
- Tunable
- No bench tool required
- Small form factor design is half the size of SC duplex
- Jack design eliminates need for MT-RJ Coupler
- Each Outlet Jack part number includes:
 - One MT-RJ jack
 - One actuation tool
 - One bend-limiting boot
 - One SL Series Housing - allows use in any faceplate or outlet that accepts SL Series Jacks
- Each patch panel jack part number includes:
 - Six patch panel jacks
 - Two actuation tools
 - One Fiber guide
 - One Icon wheel
- SL Series housing and bend limiting boot are also available separately

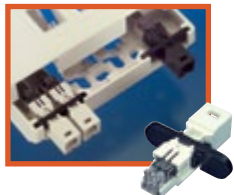
Description	Jack Color	SL Series Housing Color	For Use With	
			900 μm Tight-buffered Fibers	250 μm Coated Fibers
MT-RJ Patch Panel Jack	Beige	—	6588880-2	6278303-2
MT-RJ Outlet Jack	Beige	Almond	6278415-1	—
		Black	6278415-2	—
		White	6278415-3	—
		Gray	6278415-4	—
		Orange	6278415-5	—
		Blue	6278415-6	—
		Red	6278415-7	—
		Yellow	6278415-8	—
		Green	6278415-9	—
		Violet	1-6278415-0	—
		Electrical Ivory	1-6278415-1	—

62.5/125 μm OM1 Multimode MT-RJ Jack Accessories

09



- Parallel Dress Clips:
 - 1-Port clip holds one MT-RJ Jack (sold separately)
 - 2-Port clip holds two MT-RJ Jacks (sold separately)
 - Allow use of MT-RJ Jacks in faceplates and outlets that hold flanged optical fiber adapters



- Can be used with HIDEAWAY and HIDEOUT outlets (Chapter 06)
- Bend Limiting Boots:
 - Compatible with all MT-RJ Jacks
 - Comes in a package of six
 - Protects fiber transition at back of MT-RJ Jack
- SL Series housing easily snap into SL Series Modules, mounting straps, patch panels, and faceplates
- SL Series housing accepts one MT-RJ Jack sold separately
- MT-RJ Outlet Jacks not included with any accessory listed here



Description	Package	Quantity	Figure	SL Series Housing Color	Part Number
Parallel Dress Clip	1-Port (Accepts 1 MT-RJ Jack)	6	A	—	1374206-1
	2-Port (Accepts 2 MT-RJ Jacks)	3	B	—	1374205-1
Bend Limiting Boot	Beige	6	C	—	6374208-5
			D	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
SL Series Housing	1-Port (Accepts 1 MT-RJ Jack)	1		Brown	2-1374416-5
				Slate	2-1374416-6

LightCrimp Splice

A



B



- Terminates 250 μm coated, 900 μm tight-buffered, and 2.0 mm jacketed fibers
- Use with multimode and single-mode 125 μm diameter fibers
- No epoxy, set-up, or workstation required
- Use Termination Tool Kit part number 1553212-1, See Chapter 22
- Splice Performance Characteristics:
 - Attenuation: Typical 0.1 dB
 - Return Loss: (at ambient: 18 to 28° C) >20 dB Multimode >35 dB Single-mode
 - Operating Temperature: -25 to 70° C
- Tensile Retention:
 - 250 μm coated: 2.0 N
 - 900 μm buffered: 3.0 N
 - Jacketed: 50 N



Insert First Fiber and Complete Buffer Crimp



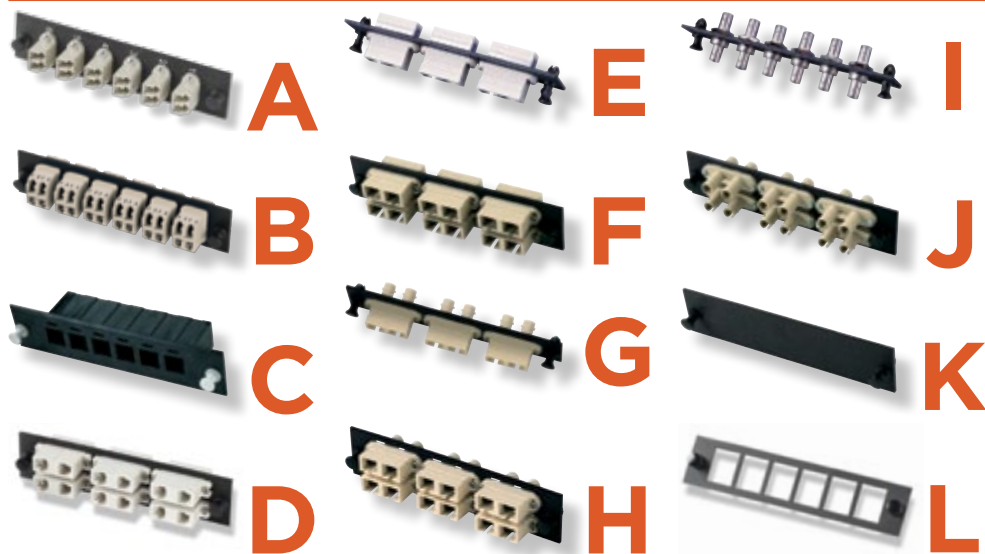
Insert Second Fiber and Actuate Crimp



Complete Second Buffer Crimp and Remove Splice from Tool

Description	Figure	Part Number
LightCrimp Splice for 250 μm Coated and 900 μm tight-buffered Fibers	A	1985374-1
LightCrimp Splice for 2.0 mm Jacketed Fiber	B	1985805-1

62.5/125 μm OM1 Multimode Snap-in Adapter Plates

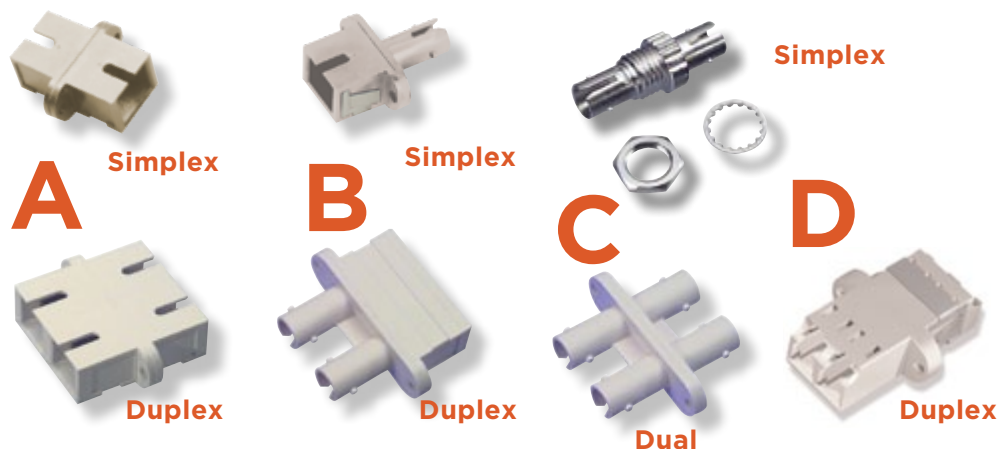


- All Snap-in Adapter Plates fit AMP NETCONNECT unloaded Optical Fiber Enclosures, see Chapter 15
- MT-RJ Jack Adapter Plates:
 - Hold up to six (6) MT-RJ (standard or secure) Jacks or Pigtail Jack Cable Assemblies
 - Accepts labeling icons
- MT-RJ Plug Adapter Plates hold up to twelve (12) MT-RJ Plugs (standard only)
- Package quantity = 1 per pack
- SL Series multimedia adapter plates accept SL Series jacks and inserts

09

Coupling Adapter	Fibers	Duplex Ports	Coupler Count	Adapter Color	Figure	Part Number
LC Duplex	12	6	6	Beige	A	1374463-2
	24	12	12	Beige	B	1435516-2
MT-RJ, Holds 6 Jacks	12	6	—	—	C	1278328-3
MT-RJ, 12 Plugs	24	12	—	Beige	D	1435440-1
SC Simplex	6	3	3	Beige		559517-7
	6	3	3	Beige	E	559558-1
SC Duplex	12	6	6	Beige	F	559596-1
	6	3	3	Beige	G	559601-1
SC Duplex to Dual ST	12	6	6	Beige	H	1278368-1
	6	3	6	Metallic	I	559557-1
ST	12	6	6	Beige	J	1278567-1
MPO	—	—	6	Black		1374598-1
Blank	—	—	—	—	K	559523-1
SL Series Multimedia Adapter Plate	—	—	—	—	L	1479506-1

62.5/125 μm OM1 Multimode Couplers & Adapters



- MT-RJ Couplers mate multimode or single-mode MT-RJ Plugs
- Duplex coupler mates four MT-RJ Plugs (4-fibers total, 2-fibers/mated pair)
- Simplex coupler mates two MT-RJ Plugs (2-fibers total, 2-fibers/mated pair)
- Mounting screws are available for couplers with mounting tabs (flanged)
- FOCIS - compliant designs

Description	Color	Figure	Simplex	Duplex
MT-RJ Coupler	Almond		1278017-1	6374906-1
SC Coupler	Beige	A	5504614-1	5504640-1
SC to ST Coupling Adapter	Beige	B	5502780-3	5504663-4
ST Coupler	Metallic/Beige	C	501381-1	504662-2
LC Coupler	Beige	D	—	6457567-5

62.5/125 μm OM1 Multimode LC Cable Assemblies

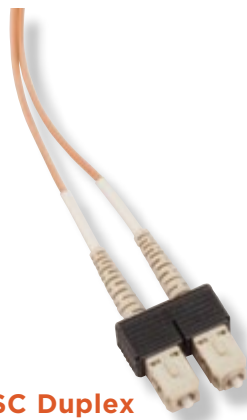
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LC Duplex



MT-RJ



SC Duplex



Dual ST

- LC, SC and ST connectors feature ceramic ferrules
- Cable assemblies are riser (OFNR) rated
- Each MT-RJ Connector houses two fibers
- Other lengths available, see customer drawings for details
- Orange cable jacketing

Connector		Length				
End 1	End 2	1 m	2 m	3 m	5 m	10 m
LC Duplex	LC Duplex	1906865-1	1906865-2	1906865-3	1906865-5	1-1906865-0
	MT-RJ	6374646-1	6374646-2	6374646-3	6374646-5	1-6374646-0
	SC Duplex	1906777-1	1906777-2	1906777-3	1906777-5	1-1906777-0
	ST (Dual)	1906821-1	1906821-2	1906821-3	1906821-5	1-1906821-0

62.5/125 μm OM1 Multimode MT-RJ Cable Assemblies



MT-RJ



SC Duplex

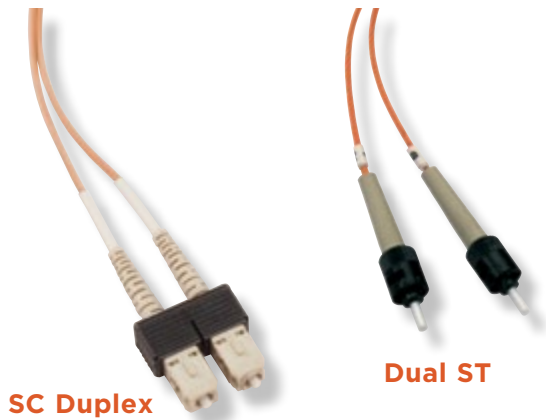


Dual ST

- SC and ST connectors feature ceramic ferrules
- Cable assemblies are riser (OFNR) rated
- Each MT-RJ Connector houses two fibers
- Other lengths available, see customer drawings for details
- Orange cable jacketing

Connector		Length				
End 1	End 2	1 m	2 m	3 m	5 m	10 m
MT-RJ	MT-RJ	6278032-1	6278032-2	6278032-3	6278032-5	1-6278032-0
	SC Simplex	6278030-1	6278030-2	6278030-3	6278030-5	1-6278030-0
	SC Duplex	6278028-1	6278028-2	6278028-3	6278028-5	1-6278028-0
	ST (Dual)	1907441-1	1907441-2	1907441-3	1907441-5	1-1907441-0

62.5/125 μm OM1 Multimode SC Cable Assemblies



- SC and ST connectors feature ceramic ferrules
- Cable assemblies are riser (OFNR) rated
- Other lengths available, see customer drawings for details
- Orange cable jacketing

09

Connector		Length				
End 1	End 2	1 m	2 m	3 m	5 m	10 m
SC Duplex	SC Duplex	1907434-1	1907434-2	1907434-3	1907434-5	1-1907434-0
	ST (Dual)	1907385-1	1907385-2	1907385-3	1907385-5	1-1907385-0

62.5/125 μm OM1 Multimode ST Cable Assemblies



- Connectors feature ceramic ferrules
- Cable assemblies are riser (OFNR) rated
- Other lengths available, see customer drawings for details
- Orange cable jacketing

Connector		Length				
End 1	End 2	1 m	2 m	3 m	5 m	10 m
ST (Dual)	ST (Dual)	1907436-1	1907436-2	1907436-3	1907436-5	1-1907436-0

62.5/125 μm OM1 Multimode Pigtail (Single-Ended) Cable Assemblies

- Splice-able pigtail assemblies
- 250 μm coated fiber in protective 900 μm tubing
- Compatible with fusion or mechanical splices
- Each MT-RJ Connector houses two fibers
- MT-RJ Plugs are pinned

Connector End	Cable Type	Length		
		1 m	2 m	3 m
LC Simplex	2.0 mm Jacketed With One 250 μm coated fiber in protective 900 μm tubing	6754400-1	—	—
MT-RJ Jack, Black Housing	Dual 250 μm coated fibers in 900 μm tubing	6374019-1	6374019-2	6374019-3
MT-RJ Plug, Black	Dual 250 μm coated fibers in 900 μm tubing	6693532-1	6693532-2	6693532-3

62.5/125 µm OM1 Multimode LC Test Kits

09

- Test Kits includes:
 - Cable Assemblies
 - LC Duplex Clips
 - Mandrels
 - Carrying case
- Test Kits for LC SECURE Connector Systems also available
- See "FIELD TESTING LC OPTICAL FIBER SYSTEMS" White Paper (available on-line at www.ampnetconnect.com) for test details

Description

Part Number

For use with Dual Fiber Testers with SC Transmit and LC Recieve Ports

1828868-1

For use with Dual Fiber Testers with ST Transmit and LC Recieve Ports

1828868-2

For use with Dual Fiber Testers with LC Transmit and LC Recieve Ports

1828868-3

Replacement Components for 62.5/125 µm OM1 Multimode LC Test Kits

- Assemblies are 3m in length
- Assemblies are Simplex style
- Cable Assemblies are riser (OFNR) rated

Description

Part Number

Mandrels (Transmit side only)

1435118-1

LC Duplex Clips (pack of 6)

1754371-2

SC to LC Simplex Assembly, 3m

1907491-3

ST to LC Simplex Assembly, 3m

1907494-3

LC to LC Simplex Assembly, 3m

1907497-3

62.5/125 µm OM1 Multimode MT-RJ OTDR Test Assemblies

- For use in testing with an OTDR test set
- All assemblies are 100m in length

Description

Connector End 1

Connector End 2

Part Number

Launch Lead

MT-RJ

Dual SC Simplex

6588079-1

Dual ST

6588077-1

62.5/125 µm OM1 Multimode MT-RJ Loopbacks

Description

Part Number

MT-RJ Loopback

6278153-1

62.5/125 µm OM1 Multimode MT-RJ Test Kits



- Each test kit includes:
 - 1 - MT-RJ Adapter
 - 2 - MT-RJ (no pins) to SC simplex or ST cable assemblies
 - 1 - MT-RJ (with pins) to SC simplex or ST cable assembly
 - 1 - MT-RJ to MT-RJ cable assembly
 - 2 - Mandrels
 - 1 - Carrying case
- Test Kits for MT-RJ SECURE Connector Systems also available
- See "MT-RJ OPTICAL FIBER SYSTEMS TESTING" White Paper (available on-line at www.ampnetconnect.com) for details

Equipment Transmit Port

Part Number

SC

1278862-1

ST

1278862-2

Replacement Components for 62.5/125 µm OM1 Multimode MT-RJ Test Kits

- All assemblies are 4 m in length
- Pinned MT-RJ Cable Assemblies are used for testing only
- Cable Assemblies are riser-rated

Description

Connector End 1

Connector End 2

Part Number

Replacement Cable Assemblies

Unpinned MT-RJ

Unpinned MT-RJ

6435096-1

Unpinned MT-RJ

SC

6435092-1

Unpinned MT-RJ

ST-style

6435094-1

Pinned MT-RJ

SC

6435092-4

Pinned MT-RJ

ST-style

6435094-4

Replacement Coupler

MT-RJ Plug

MT-RJ Plug

1278017-1

Replacement Mandrel

Set of two, for 62.5/125 µm Fibers –

1435118-2

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	Wellington 64-4-384-1495	Kazakhstan 7-327-244-5875
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	Singapore 65-482-0311	For Eastern European Countries not shown 49-6103-709-1166
	Taiwan 886-2-87682788	For Middle East/African Countries not shown 33-1-3420-2122
	Thailand 66-2-955-0500	For BeNeLux 31-73-6246-246
	Vietnam 848-9305-546	

Tyco Electronics Corporation AMP NETCONNECT Global Offices:

North America

Harrisburg, PA, USA
Ph: +1-800-553-0938
Fx: +1-717-986-7406

Europe

Kessel-Lo, Belgium
Ph: +32-16-352-300
Fx: +32-16-352-353

Mid East & Africa

Cergy-Pontoise, France
Ph: +33-1-3420-2122
Fx: +33-1-3420-2268

Latin America

Buenos Aires, Argentina
Ph: +54-11-4733-2200
Fx: +54-11-4733-2282

Asia

Hongkong, China
Ph: +852-2735-1628
Fx: +852-2735-1625

Pacific

Sydney, Australia
Ph: +61-2-9407-2600
Fx: +61-2-9407-2519

Tyco Electronics Corporation AMP NETCONNECT North American Offices:

United States

Greensboro, NC, USA
Ph: +1-800-553-0938
Fx: +1-717-986-7406

Canada

Markham, Ontario, Canada
Ph: 905-475-6222
Fx: 905-474-5519





Single-mode Optical Fiber Products





25 Year System Performance Coverage*

We are confident that your AMP NETCONNECT cabling system will keep performing to current TIA/EIA industry standards. If the registered system ever fails to meet those standards within 25 years of the date of installation, we'll provide the reasonable parts and labor to replace or repair the AMP NETCONNECT product.



25 Year Component Coverage*

Tyco Electronics also offers a 25 Year Component Warranty to protect individual AMP NETCONNECT cabling system components. If a component fails within 25 years of the date of installation, we'll provide the reasonable parts to replace or repair the registered AMP NETCONNECT product.

It's Standard Equipment

This coverage is automatically part of the package when*:

- AMP NETCONNECT products are specified end-to-end
- A Tyco Electronics authorized NETCONNECT Design & Installation (ND&I) contractor registers the network project with Tyco Electronics
- That ND&I performs the actual installation in accordance with Tyco Electronics requirements

Who's Covered

Unlike most systems suppliers, Tyco Electronics provides warranty coverage directly to the end user. Many suppliers provide coverage to the installers, who then provide coverage to the customer. But with Tyco Electronics warranties, there are no middlemen. The warranties are between you and Tyco Electronics.

For more information, please visit: <http://www.tycoelectronics.com/aboutus/pdf/tc.pdf>

Or call: 1-800-553-0938

Outside the U.S., please contact your local AMP NETCONNECT product sales office.

People & Products to Answer the Cabling Challenge.

Cabling a retail store, casino or office building can be complex. Yet the solution for productive connectivity and cable management can be as simple as talking to the right people - The AMP NETCONNECT business unit of Tyco Electronics.

The reason is what we bring to the building infrastructure challenges you face. In-depth technical knowledge and expertise from decades of experience. Innovative technologies from ongoing R&D. And quality products for every power, data, voice and video networking need. One of the broadest lines in the industry, in fact.

Additionally, it's what we do to answer the challenge: develop and deliver integrated, made-to-order solutions that optimize network performance, increase productivity and produce more immediate return-on-investment.

And it's not just providing technology. It's making sure solutions are efficiently and effectively installed: working with distributors and customers so products are delivered when and where you need them. And maintaining a global network of certified installation contractors.

It all means, simply, that AMP NETCONNECT cabling systems provide the answers you're looking for: the whole solution for any cabling challenge. From the ground up.

*Some conditions may apply. AMP NETCONNECT Home Net-Works Systems qualify for a 25 year component warranty only. For more information, please visit www.ampnetconnect.com or call 1-800-553-0938. Outside the U.S., please contact your local AMP NETCONNECT product sales office.

10

Single-mode Optical Fiber General Information02 – 05

Optical Fiber Interconnect Cable06

Optical Fiber Distribution Cable.....06

Interlocking Armor Optical Fiber Distribution Cable.....07

Optical Fiber Indoor/Outdoor Cable.....07

Optical Fiber Outside Plant (OSP) Cable08

Optical Fiber Outside Plant Armored (OSPA) Cable08

LightCrimp PLUS Connectors (No-epoxy/No-polish)09

Epoxy/Polish Connectors10

LightCrimp Splice10

Snap-in Adapter Plates.....11

Couplers & Adapters.....12

LC Cable Assemblies12

MT-RJ Cable Assemblies13

SC Cable Assemblies13

ST Cable Assemblies13

Pigtail (Single-Ended) Cable Assemblies13

MT-RJ Pigtail Jack Accessories.....14

LC Test Kits14

Replacement Components for LC Test Kits.....15

MT-RJ Loopbacks.....15

MT-RJ Test Kits15

Replacement Components for MT-RJ Test Kits.....15



Single-mode Optical Fiber Cable Information

10

AMP NETCONNECT fiber optic cables contain fibers for use in optical fiber applications, including: local area networks (LANs), wide area networks (WANs), fiber to the curb (FTTC), fiber to the home (FTTH), fiber to the desk (FTTD), and others.

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	ANSI/TIA-568	ISO 11801	ICEA-596
ICEA-640	ICEA-696	IEC 793-1	IEC 794-1
Telecordia GR-409-CORE	Telecordia GR-20-CORE		

Single-mode Optical Fiber Performance

Gigabit Ethernet @ 850 nm	Gigabit Ethernet @ 1310 nm	10 Gigabit Ethernet @ 850 nm	10 Gigabit Ethernet @ 1310 nm
–	5000 m	–	10000 m

Single-mode (1300/1550 nm) Optical Fiber Cable Performance Specifications

Cable Type	Maximum Attenuation dB/km	
	1310 nm	1550 nm
Indoor Cables	0.5	0.5
Indoor/Outdoor and OSP Loose Tube Cables	0.4	0.3

Optical Fiber Cable Temperature Ranges

Cable Type	Condition	Riser	Plenum
		Storage	Storage
Interconnect (Tight Buffered) Cables	Operating	-40°C to +65°C (-40°F to +149°F)	-40°C to +65°C (-40°F to +149°F)
	Installation	-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 +70°C (-40°F to +158°F)	-40°C to +70°C (-40°F to +158°F)
	Operating	-20°C to +70°C (-4°F to +158°F)	0°C to +70°C (32°F to +158°F)
	Installation	-10°C to +60°C (14°F to +140°F)	0°C to +60°C (32°F to +140°F)
Indoor/Outdoor Cables	Storage	-40°C to +70°C (-40°F to +160°F)	-40°C to +70°C (-40°F to +160°F)
	Operating	-40°C to +70°C (-40°F to +160°F)	-40°C to +70°C (-40°F to +160°F)
	Installation	-20°C to +60°C (-4°F to +140°F)	-0°C to +60°C (-32°F to +140°F)
Stranded Cables			
OSP (Loose Tube) Cables	Storage	-40°C to +70°C (-40°F to +158°F)	–
	Operating	-40°C to +70°C (-40°F to +158°F)	–
	Installation	-30°C to +60°C (-22°F to +140°F)	–

Optical Fiber Cable Technical Information

Cable Type	Fiber Count	Unit Count Units (Fibers/Unit)	Diameter mm (in)	Weight kg/km (lb/kft)	Tensile Load N (lbf)		Bending Radius mm (in)	
					Installation	Long Term	Installation	Long Term
Outside Plant, Single Loose Tube	4	1 (4)	8.3 (0.33)	50 (34)	2670 (600)	890 (200)	176 (6.9)	88 (3.5)
	6	1 (6)	8.3 (0.33)	50 (34)	2670 (600)	890 (200)	176 (6.9)	88 (3.5)
	8	1 (8)	8.3 (0.33)	50 (34)	2670 (600)	890 (200)	176 (6.9)	88 (3.5)
	12	1 (12)	8.3 (0.33)	50 (34)	2670 (600)	890 (200)	176 (6.9)	88 (3.5)
Outside Plant, Stranded Loose Tube	24	2 (12)	11.0 (0.43)	100 (67)	2670 (600)	890 (200)	242 (9.5)	121 (4.8)
	36	3 (12)	11.0 (0.43)	93 (62)	2670 (600)	890 (200)	242 (9.5)	121 (4.8)
	48	4 (12)	11.0 (0.43)	97 (65)	2670 (600)	890 (200)	242 (9.5)	121 (4.8)
	72	6 (12)	11.9 (0.47)	130 (87)	2670 (600)	890 (200)	252 (9.9)	126 (5.0)
	96	8 (12)	13.6 (0.53)	158 (106)	2670 (600)	890 (200)	287 (11.3)	144 (5.6)
	144	12 (12)	17.6 (0.69)	252 (169)	2670 (600)	890 (200)	364 (14.3)	182 (7.2)
Outside Plant, Armored Single Loose Tube	4	1 (4)	10.9 (0.43)	140 (94)	2670 (600)	890 (200)	244 (9.6)	122 (4.8)
	6	1 (6)	10.9 (0.43)	140 (94)	2670 (600)	890 (200)	244 (9.6)	122 (4.8)
	8	1 (8)	10.9 (0.43)	140 (94)	2670 (600)	890 (200)	244 (9.6)	122 (4.8)
	12	1 (12)	10.9 (0.43)	140 (94)	2670 (600)	890 (200)	244 (9.6)	122 (4.8)
Outside Plant, Armored Stranded Loose Tube	24	2 (12)	13.8 (0.55)	214 (144)	2670 (600)	890 (200)	315 (12.4)	158 (6.2)
	36	3 (12)	13.8 (0.55)	218 (146)	2670 (600)	890 (200)	315 (12.4)	158 (6.2)
	48	4 (12)	13.8 (0.55)	223 (150)	2670 (600)	890 (200)	315 (12.4)	158 (6.2)
	72	6 (12)	14.8 (0.58)	265 (178)	2670 (600)	890 (200)	335 (13.2)	167 (6.6)
	96	8 (12)	16.7 (0.69)	307 (206)	2670 (600)	890 (200)	378 (14.9)	189 (7.4)
	144	12 (12)	21.4 (0.84)	498 (335)	2670 (600)	890 (200)	455 (17.9)	228 (9)

Optical Fiber Cable Technical Information (Continued)

Cable Type	Fiber Count	Unit Count Units (Fibers/ Unit)	UL/NEC Ratings	Diameter mm (in)	Weight kg/km (lb/ kft)	Tensile Load N (lbf)		Bending Radius mm (in)	
						Installation	Long Term	Installation	Long Term
Interconnect, Simplex	1	1 (1)	OFNR	2.0 (0.08)	5 (3)	40 (9)	12 (3)	50 (1.97)	25 (0.98)
			OFNP	2.0 (0.08)	6 (4)	40 (9)	12 (3)	50 (1.97)	25 (0.98)
			OFNR	2.9 (0.11)	8 (5)	100 (22)	30 (7)	58 (2.3)	29 (1.1)
			OFNP	2.9 (0.11)	9 (6)	100 (22)	30 (7)	58 (2.3)	29 (1.1)
Interconnect, Zipcord	2	2 (1)	OFNR	2.0 (0.08) x 4.1 (0.16)	8 (5)	40 (9)	12 (3)	50 (1.97)	25 (0.98)
			OFNP	2.0 (0.08) x 4.1 (0.16)	10 (7)	40 (9)	12 (3)	50 (1.97)	25 (0.98)
			OFNR	2.9 (0.11) x 5.9 (0.23)	15 (10)	100 (22)	30 (7)	58 (2.3)	29 (1.1)
			OFNP	2.9 (0.11) x 5.9 (0.23)	15 (10)	100 (22)	30 (7)	58 (2.3)	29 (1.1)
Interconnect, Dual	2	1 (2)	OFNR	2.9 (0.11)	7 (5)	100 (22)	30 (7)	57 (2.2)	29 (1.1)
			OFNP	2.9 (0.11)	9 (6)	100 (22)	30 (7)	57 (2.2)	29 (1.1)
			OFNR	4.8 (0.3)	20 (13)	100 (22)	30 (7)	96 (3.8)	48 (1.9)
			OFNP	4.8 (0.3)	30 (20)	100 (22)	30 (7)	96 (3.8)	48 (1.9)
Interconnect, Quad	4	1 (4)	OFNR	4.8 (0.3)	25 (17)	100 (22)	30 (7)	96 (3.8)	48 (1.9)
			OFNP	4.8 (0.3)	30 (20)	100 (22)	30 (7)	96 (3.8)	48 (1.9)
Distribution	6	1 (6)	OFNR	5.2 (0.20)	29 (19)	660 (150)	198 (45)	114 (4.5)	57 (2.2)
			OFNP	4.8 (0.19)	24 (16)	440 (100)	132 (30)	110 (4.3)	55 (2.2)
	8	1 (8)	OFNR	5.7 (0.22)	24 (16)	660 (150)	198 (45)	136 (5.4)	68 (2.7)
			OFNP	5.0 (0.20)	26 (17)	440 (100)	132 (30)	110 (4.3)	55 (2.2)
	12	1 (12)	OFNR	6.0 (0.24)	37 (25)	660 (150)	198 (45)	128 (5)	64 (2.5)
			OFNP	5.7 (0.23)	46 (31)	440 (100)	132 (30)	128 (5)	64 (2.5)
	24	1 (24)	OFNR	8.0 (0.31)	61 (41)	1320 (300)	396 (90)	178 (7)	89 (3.5)
			OFNP	7.7 (0.30)	69 (46)	660 (150)	198 (45)	168 (6.6)	84 (3.3)
	24	2 (12)	OFNR	7.4 x 13.0 (0.29 x 0.51)	87 (58)	1320 (300)	396 (90)	284 (11.2)	142 (5.6)
			OFNP	7.0 x 12.4 (0.28 x 0.49)	92 (62)	660 (150)	198 (45)	264 (10.4)	132 (5.2)
	24	4 (6)	OFNR	13.4 (0.53)	180 (121)	1320 (300)	396 (90)	275 (10.8)	137 (5.4)
			OFNP	13.3 (0.52)	200 (134)	660 (150)	198 (45)	266 (10.5)	133 (5.2)
	36	6 (6)	OFNR	16.4 (0.65)	220 (148)	1320 (300)	396 (90)	342 (13.5)	171 (6.7)
			OFNP	16.0 (0.63)	255 (171)	660 (150)	198 (45)	327 (12.9)	164 (6.4)
	48	4 (12)	OFNR	16.0 (0.63)	250 (168)	1320 (300)	396 (90)	350 (13.8)	175 (6.9)
			OFNP	15.2 (0.60)	202 (136)	660 (150)	198 (45)	312 (12.3)	156 (6.1)
	72	6 (12)	OFNR	18.9 (0.75)	301 (202)	1320 (300)	396 (90)	386 (15.2)	193 (7.6)
			OFNP	18.5 (0.73)	316 (212)	660 (150)	198 (45)	386 (15.2)	193 (7.6)
	96	8 (12)	OFNR	22.8 (0.90)	433 (291)	1320 (300)	396 (90)	462 (18.2)	231 (9.1)
			OFNP	22.0 (0.86)	466 (313)	660 (150)	198 (45)	448 (17.6)	224 (8.8)
	144	12 (12)	OFNR	24.8 (0.98)	461 (310)	1320 (300)	396 (90)	514 (20.2)	257 (10.1)
			OFNP	24.2 (0.95)	474 (319)	660 (150)	198 (45)	514 (20.2)	257 (10.1)
Distribution, Interlocking Armor	6	1 (6)	OFCP	13.1 (0.52)	117 (79)	1335 (300)	400 (90)	197 (7.8)	131 (5.2)
	12	1 (12)	OFCP	13.3 (0.52)	129 (87)	1335 (300)	400 (90)	199 (7.8)	133 (5.2)
	24	1 (24)	OFCP	14.8 (0.58)	176 (119)	1780 (400)	534 (120)	223 (8.8)	148 (5.8)
	24	2 (12)	OFCP	18.9 (0.74)	240 (161)	1780 (400)	534 (120)	192 (7.6)	128 (5.0)
	48	4 (12)	OFCP	23.4 (0.92)	408 (274)	2640 (600)	800 (180)	351 (13.8)	234 (9.2)
	72	6 (12)	OFCP	24.7 (0.97)	537 (361)	2640 (600)	800 (180)	371 (14.6)	247 (9.7)
Indoor/Outdoor, Single Loose Tube	6	1 (6)	OFNR	6.5 (0.26)	45 (30)	1335 (300)	400 (90)	97 (3.8)	65 (2.6)
			OFNP	6.6 (0.26)	45 (30)	1335 (300)	400 (90)	99 (3.9)	66 (2.6)
	8	1 (8)	OFNR	6.5 (0.26)	45 (30)	1335 (300)	400 (90)	97 (3.8)	65 (2.6)
			OFNP	6.6 (0.26)	46 (31)	1335 (300)	400 (90)	99 (3.9)	66 (2.6)
	12	1 (12)	OFNR	6.5 (0.26)	45 (30)	1335 (300)	400 (90)	97 (3.8)	65 (2.6)
			OFNP	6.6 (0.26)	46 (31)	1335 (300)	400 (90)	99 (3.9)	66 (2.6)
Indoor/Outdoor, Stranded Loose Tube	24	2 (12)	OFNR	10.1 (0.40)	84 (56)	2670 (600)	890 (200)	151 (5.9)	101 (4.0)
			OFNP	9.7 (0.38)	86 (58)	2670 (600)	890 (200)	145 (5.7)	97 (3.8)
	36	3 (12)	OFNR	10.1 (0.40)	84 (56)	2670 (600)	890 (200)	151 (5.9)	101 (4.0)
			OFNP	9.7 (0.38)	86 (58)	2670 (600)	890 (200)	145 (5.7)	97 (3.8)
	48	4 (12)	OFNR	10.1 (0.40)	84 (56)	2670 (600)	890 (200)	151 (5.9)	101 (4.0)
			OFNP	9.7 (0.38)	86 (58)	2670 (600)	890 (200)	145 (5.7)	97 (3.8)
	72	6 (12)	OFNR	11.9 (0.47)	111 (75)	2670 (600)	890 (200)	178 (7.0)	119 (4.7)
			OFNP	11.7 (0.46)	101 (68)	2670 (600)	890 (200)	175 (6.9)	117 (4.6)
	96	8 (12)	OFNR	13.7 (0.54)	147 (99)	2670 (600)	890 (200)	206 (8.1)	137 (5.4)
			OFNP	13.5 (0.53)	175 (118)	2670 (600)	890 (200)	203 (8.0)	135 (5.3)
	144	12 (12)	OFNR	17.8 (0.70)	252 (169)	4448 (1000)	1335 (300)	267 (10.5)	178 (7.0)
			OFNP	17.7 (0.70)	300 (202)	4448 (1000)	1335 (300)	255 (10.1)	170 (6.7)

Optical Fiber Connector Termination Comparison Chart

		LightCrimp Plus LC, SC, ST	Epoxy/Polish LC, SC, ST
Termination Technology	Epoxy Required	NO	YES
	Polish Required	NO	YES
	Crimp Required	YES	YES
Setup Time	(Each Location)	< 2 Minutes	< 12 Minutes
Installation Time	(Each Fiber)	~ 1 Minute	7 – 25 Minutes
Connector Cost	(Relative)	Higher	Lower
Installation Labor Cost	(Relative)	Lower	Higher
Tool Kit Cost	(Relative)	Lower	Higher
Skill Level	(Relative)	Lower	Higher
Training Time	(Relative)	Short	High

NOTE: Entries for time and cost are estimates and relative comparisons. Actual results will vary depending on experience level and conditions at time of termination.

Jack, Plug and Insert Compatibility List

Description		Part Number	SL Series MT-RJ and MT-RJ SECURE Outlet Jacks	MT-RJ and MT-RJ SECURE Patch Panel Jacks	LightCrimp Plus			Epoxy/Polish		
					LC	SC	ST	LC	SC	ST
SL Series Modules	2-Port	1116409	X	–	–	–	–	–	–	–
	2-Port	1116406	X	–	–	–	–	–	–	–
	3-Port	1116408	X	–	–	–	–	–	–	–
	Duplex SC, Single-mode	1375306	–	–	–	X	–	–	X	–
	Duplex SC, Multimode	1375123	–	–	–	X	–	–	X	–
	Duplex SC to ST, Multimode	1375241	–	–	–	X	X	–	X	X
SL Series Inserts	ST, Multimode	1339123	–	–	–	–	X	–	X	X
	ST, Single-mode	1479181	–	–	–	–	X	–	–	X
	LC Duplex, Multimode	1435735	–	–	X	–	–	X	–	–
	LC Duplex, Single-mode	1435799	–	–	X	–	–	X	–	–
	MT-RJ SL Series Housing, Single-mode/Multimode	1374416	X*	X	–	–	–	–	–	–
	HIDEAWAY and HIDEOUT SC Duplex, Multimode	5504640	–	–	–	X	–	–	X	–
HIDEAWAY and HIDEOUT	SC Duplex to Dual ST, Multimode	5504663	–	–	–	X	X	–	X	X
HIDEAWAY and HIDEOUT	Dual ST, Multimode	504662	–	–	–	–	X	–	–	X
HIDEAWAY and HIDEOUT	MT-RJ Parallel Dress Clips, 1-Port	1374206	X**	X	–	–	–	–	–	–
HIDEAWAY and HIDEOUT	MT-RJ Parallel Dress Clips, 2-Port	1374205	X**	X	–	–	–	–	–	–
Surface Mount Inserts	1-Port	1116098	X	–	–	–	–	–	–	–
Surface Mount Inserts	2-Port	557775	X	–	–	–	X	–	–	X
Surface Mount Inserts	2-Port	557350	–	–	–	–	–	–	–	–
Universal Office Box Inserts	ST, Multimode	1479495	–	–	–	–	X	–	–	X
ACO Dual-Port Faceplate	Dual - SC Duplex, Multimode	503662	–	–	–	X	–	–	X	–
ACO Dual-Port Faceplate	Quad - ST, Multimode	502604	–	–	–	–	X	–	–	X
ACO Dual-Port Faceplate	Dual - ST, Multimode	502604	–	–	–	–	X	–	–	X
AFWM Flush Faceplates	Dual - SC Duplex, Multimode	557322	–	–	–	X	–	–	X	–
AFWM Flush Faceplates	Quad - ST, Multimode	557474	–	–	–	–	X	–	–	X
Optical Fiber MUO Mod	MT-RJ Jack, Single-mode/Multimode	1375347	X**	X	–	–	–	–	–	–
Optical Fiber MUO Mod	SC Duplex, Multimode	406818	–	–	–	X	–	–	X	–
Optical Fiber MUO Mod	SC Duplex to Dual ST, Multimode	406819	–	–	–	X	X	–	X	X
Optical Fiber MUO Mod	Dual ST, Multimode	406820	–	–	–	–	X	–	–	X

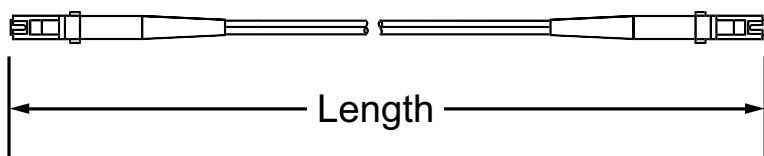
*Note: SL Series MT-RJ Outlet Jacks come with SL Series MT-RJ Housing.

**Note: SL Series Housing is not used when using SL Series MT-RJ Outlet Jacks with MT-RJ Parallel Dress Clips or MT-RJ Jack MUO Modules.

Jack, Plug and Insert Compatibility List

Test Description	FOTP*	Requirement
Visual and Mechanical Inspection:	MT-RJ 13	TIA/EIA-604-12 (FOCIS 12)
Visual and Mechanical Inspection:	SC 13	TIA/EIA-604-3 (FOCIS 3)
Visual and Mechanical Inspection:	ST 13	TIA/EIA-604-2 (FOCIS 2)
Visual and Mechanical Inspection:	LC 13	TIA/EIA-604-10 (FOCIS10)
Attenuation	34	< 0.75 dB
Return Loss	107	< -20 dB
Low Temperature (0° C for 4 days)	188	< 0.3 dB change
Temperature Life (55° C for 14 days)	7	< 0.3 dB change
Humidity (90 to 95% @ 40° C for 4 days)	5	< 0.3 dB change
Impact (8 drops from 1.8 m)	2	< 0.75 dB IL, < -20 dB RL
Durability (500 cycles)	21	< 0.75 dB IL, < -20 dB RL
Cable Retention (0° and 90°)	6	< 0.75 dB IL, < -20 dB RL
Flex (100 cycles)	1	< 0.75 dB IL, < -20 dB RL
Twist (10 cycles)	36	< 0.75 dB IL, < -20 dB RL

Optical Fiber Cable Assembly Length Reference



Meter to Foot and Inch Reference

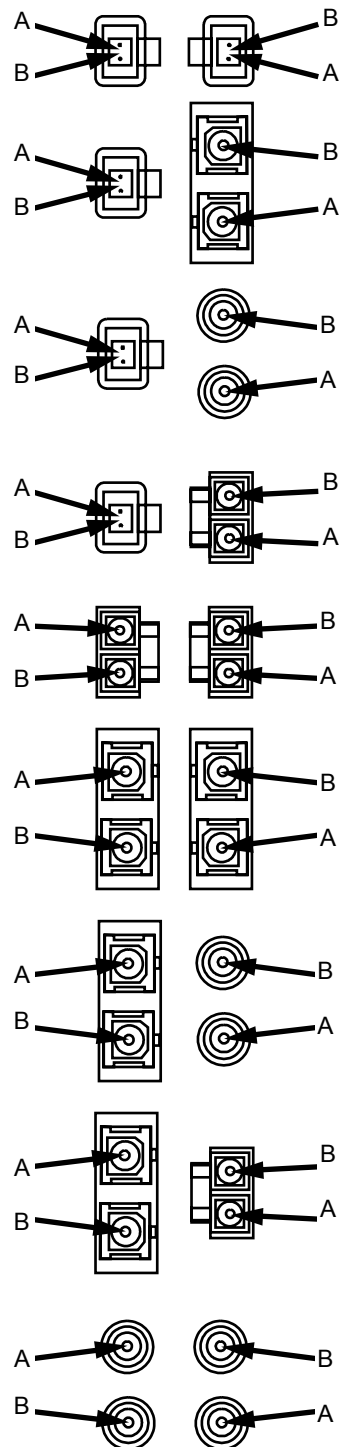
Length in Meters	Length in Feet	Length in Inches
1	3.28	39.37
2	6.56	78.74
3	9.84	118.11
4	13.12	157.48
5	16.40	196.85
6	19.68	236.21
7	22.96	275.59
8	26.25	314.96
9	29.52	354.33
10	32.80	393.70
20	65.62	787.40
30	98.42	1181.10
40	131.23	1574.80
50	164.04	1968.50
60	196.85	2362.20
70	229.66	2755.90
80	262.47	3149.60
90	295.27	3543.30
100	328.08	3937.00
110	360.89	4330.69
120	393.70	4724.39
130	426.51	5118.09
140	459.32	5511.79
150	492.12	5905.49
160	524.93	6299.19
170	557.74	6692.89
180	590.55	7086.59
190	623.36	7480.29
200	656.17	7873.99

Note: Conversion chart is for reference only and does not imply actual assembly length.

Fiber Polarity

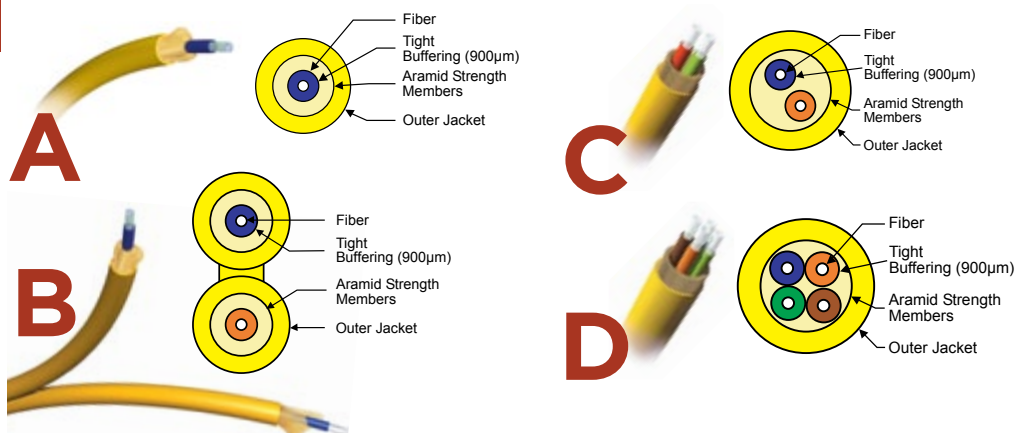
Fiber Color	End 1 Connector	End 2 Connector
White	A	B
Blue	B	A

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OS1 Single-mode Optical Fiber Interconnect Cable

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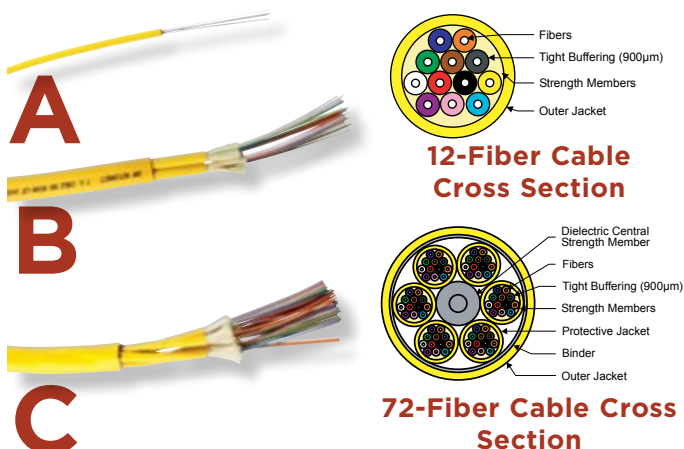


- Suitable for direct termination with epoxy/polish, LightCrimp, LightCrimp PLUS, and MT-RJ jacks for use in pigtails, and patch cords
- Simplex and zipcord cables are additionally suitable for use in internal equipment connections
- Aramid yarn reinforcement
- UL and cUL listed OFNR (Riser) or OFNP (Plenum)
- Outer Jacket Color: Yellow
- Hybrid cables and other jacket colors are available
- OS1 single-mode fibers conform to IEC 60793-2-10 B1.3 specifications for low water peak OS1 fibers
- See Customer Specification 114-92001 at www.ampnetconnect.com for additional information



Cable Type	Fiber Count	Unit Count Units (Fibers/Unit)	Figure	Riser (OFNR)	Plenum (OFNP)
Simplex (2.0mm)	1	1 (1)		7-1553406-3	7-1553407-3
Simplex (2.9mm)	1	1 (1)	A	7-1553408-3	7-1553409-3
Zipcord (2.0mm)	2	2 (1)		7-1553410-3	7-1553411-3
Zipcord (2.9mm)	2	2 (1)	B	7-1553412-3	7-1553413-3
Dual (2.9 mm)	2	1 (2)	C	7-1553414-3	7-1553415-3
Dual (4.8 mm)	2	1 (2)		7-1553416-3	7-1553417-3
Quad (4.8 mm)	4	1 (4)	D	7-1553418-3	7-1553419-3

OS1 Single-mode Optical Fiber Distribution Cable



- Suitable for horizontal and in-building backbone cabling and for direct termination with epoxy/polish, LightCrimp, LightCrimp PLUS and MT-RJ jacks
- Strippable 900 µm tight buffer coating allows for easy connectorization
- TIA color-coded fibers for easy identification
- UL and cUL listed OFNR (Riser) or OFNP (Plenum)
- Outer Jacket Color: Yellow
- Hybrid cables and other jacket colors are available
- OS1 single-mode fibers conform to IEC 60793-2-10 B1.3 specifications for low water peak OS1 fibers
- See Customer Specification 114-92000 at: www.ampnetconnect.com for additional information



Fiber Count	Unit Count Unit (Fibers/Unit)	Figure	Riser (OFNR)	Plenum (OFNP)
6	1 (6)	A	7-1553307-3	7-1553308-3
8	1 (8)		7-1553309-3	7-1553310-3
12	1 (12)		7-1553311-3	7-1553312-3
	1 (24)		7-1553313-3	7-1553314-3
24	2 (12)	B	7-1553315-3	7-1553316-3
	4 (6)		7-1553317-3	7-1553318-3
36	6 (6)		7-1553319-3	7-1553320-3
48	4 (12)	C	7-1553321-3	7-1553322-3
72	6 (12)		7-1553323-3	7-1553324-3
96	8 (12)		7-1553325-3	7-1553326-3
144	12 (12)		7-1553327-3	7-1553328-3

OS1 Single-mode Interlocking Armor Optical Fiber Distribution Cable

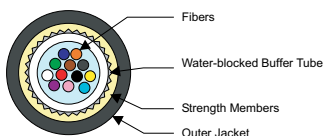


- Robust construction provides extra protection for optical fibers
- Interlocking armor enhances flexibility
- Lightweight aluminum armor simplifies handling
- Installer-friendly plenum rated over-jacketing makes cable pulls easier
- Over-jacketing color: Orange
- Hybrid cables and other jacket colors are available
- Pending local codes, may eliminate the need for innerduct
- OFCP (Plenum) rated
- TIA Color Coded fibers
- Strippable 900 μ m tight buffer coating allows for easy connectorization
- Indoor/Outdoor and specialty versions available
- OS1 single-mode fibers conform to IEC 60793-2-10 B1.3 specifications for low water peak OS1 fibers

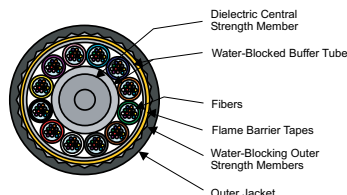
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Fiber Count	Unit Count Units (Fibers/Unit)	Figure	UL/NEC Ratings	Part Number
6	1 (6)		Plenum (OFCP)	4-1777121-7
12	1 (12)		Plenum (OFCP)	4-1777117-7
24	1 (24)	A	Plenum (OFCP)	7-1553420-3
	2 (12)		Plenum (OFCP)	4-1777122-7
48	4 (12)		Plenum (OFCP)	4-1777123-7
72	6 (12)		Plenum (OFCP)	4-1777124-7

OS2 Single-mode Optical Fiber Indoor/Outdoor Cable



12-Fiber Cable Cross Section



144-Fiber Cable Cross Section

- Suitable for in-building and inter-building backbone cabling
- Can eliminate the need for a transition point and splicing when entering buildings - go directly from outdoors into building riser or plenum spaces
- Water-blocked buffer tube for water penetration protection
- Flame-retardant UV-protected jacket for harsh outdoor environments
- All-dielectric construction
- UL and cUL listed OFNR (Riser) or OFNP (Plenum)
- Single loose tube cables:
 - TIA color-coded fibers for easy identification
 - Water-blocked buffer tube for water penetration protection
 - Small diameter single tube construction saves space inside ducts
- Stranded loose tube cables:
 - Outer Jacket Color is Black for all Fiber Types
 - Hybrid cables and other jacket colors are available
 - Reverse oscillating lay construction for easy midspan access
 - Dry water blocking technology
 - TIA color-coded fibers in TIA color-coded tubes for easy identification
- See Customer Specification 114-92002 at: www.ampnetconnect.com for additional information



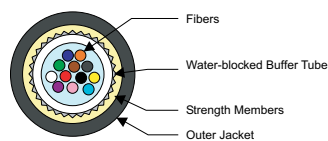
Cable Type	Fiber Count	Unit Count Unit (Fibers/Unit)	Figure	Riser (OFNR)	Plenum (OFNP)
Single Loose Tube	6	1 (6)	A	6-1553342-3	6-1553343-3
	8	1 (8)		6-1553344-3	6-1553345-3
	12	1 (12)		6-1553346-3	6-1553347-3
Stranded Loose Tube	24	2 (12)	C	6-1553348-3	6-1553349-3
	36	3 (12)		6-1553350-3	6-1553351-3
	48	4 (12)		6-1553352-3	6-1553353-3
	72	6 (12)		6-1553354-3	6-1553355-3
	96	8 (12)		6-1553356-3	6-1553357-3
	144	12 (12)		6-1553358-3	6-1553359-3

OS2 Single-mode Optical Fiber Outside Plant (OSP) Cable

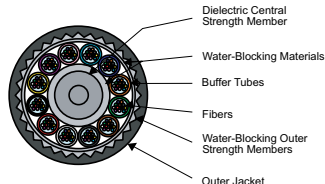
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A



12-Fiber Cable Cross Section

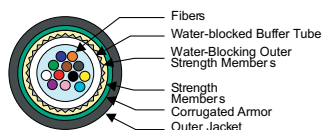
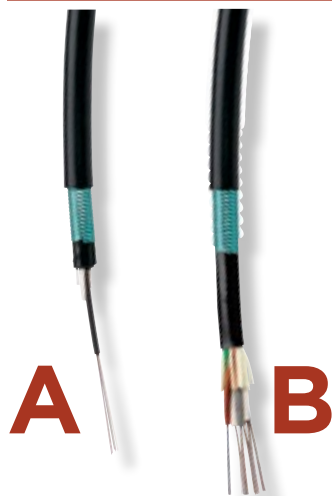


144-Fiber Cable Cross Section

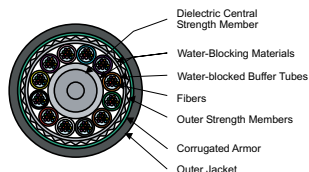
- Suitable for inter-building backbone cabling (aerial, duct or direct burial)
- Dry water-blocking technology
- UV-protected jacket for harsh outdoor environment
- Low friction jacket for ease of pulling through ducts
- All-dielectric construction
- Outer Jacket Color is Black for all Fiber Types
- See Customer Specification 114-92003 at: www.ampnetconnect.com for additional information
- Single loose tube cables:
 - TIA color-coded fibers for easy identification
 - Small diameter single tube construction saves space inside ducts
- Stranded loose tube cables:
 - Reverse oscillating lay construction for easy midspan access
 - TIA color-coded fibers and buffer tubes for easy identification

Fiber Count	Unit Count Units (Fibers/Unit)	Figure	Part Number
4	1 (4)		6-1553386-3
6	1 (6)		6-1553387-3
8	1 (8)		6-1553388-3
12	1 (12)		6-1553389-3
24	2 (12)		6-1553390-3
36	3 (12)		6-1553391-3
48	4 (12)		6-1553392-3
72	6 (12)		6-1553393-3
96	8 (12)		6-1553394-3
144	12 (12)	A	6-1553395-3

OS2 Single-mode Optical Fiber Outside Plant Armored (OSPA) Cable



12-Fiber Cable Cross Section



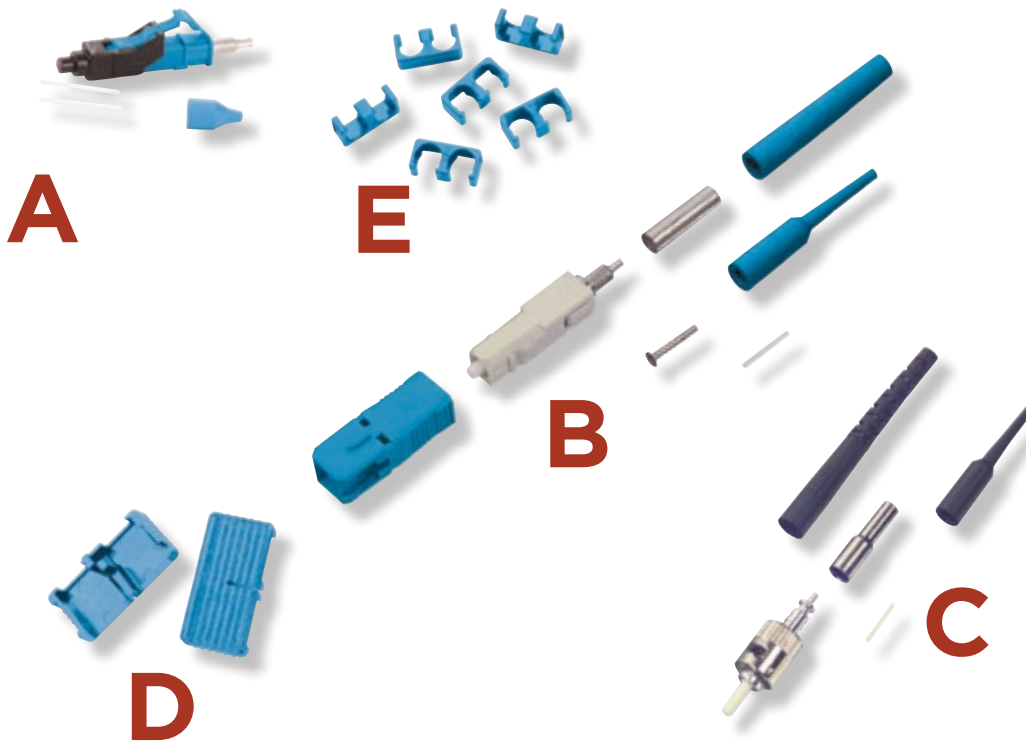
144-Fiber Cable Cross Section

- Suitable for inter-building backbone cabling (aerial, duct or direct buried)
- Dry water-blocking technology
- UV-protected jacket for harsh outdoor environment
- Low friction jacket for ease of pulling through ducts
- Corrugated steel tape armor for rugged environments and rodent protection
- Outer jacket color: black
- See Customer Specification 114-92003 at: www.ampnetconnect.com for additional information
- Single loose tube cables:
 - TIA color-coded fibers for easy identification
 - Small diameter single tube construction saves space inside ducts
- Stranded loose tube cables:
 - TIA color-coded fibers and buffer tubes for easy identification
 - Reverse oscillating lay construction for easy midspan access
 - Hybrid cables (with single-mode and multimode fibers) are available to provide a built-in migration path for future applications that will require single-mode fibers

Cable Type	Fiber Count	Unit Count Units (Fibers/Unit)	Figure	Part Number
Single Loose Tube	4	1 (4)		6-1553396-3
	6	1 (6)	A	6-1553397-3
	8	1 (8)		6-1553398-3
	12	1 (12)		6-1553399-3
Stranded Loose Tube	24	2 (12)		6-1553400-3
	36	3 (12)		6-1553401-3
	48	4 (12)	B	6-1553402-3
	72	6 (12)		6-1553403-3
	96	8 (12)		6-1553404-3
	144	12 (12)		6-1553405-3

Single-mode LightCrimp PLUS Connectors (No-epoxy/No-polish)

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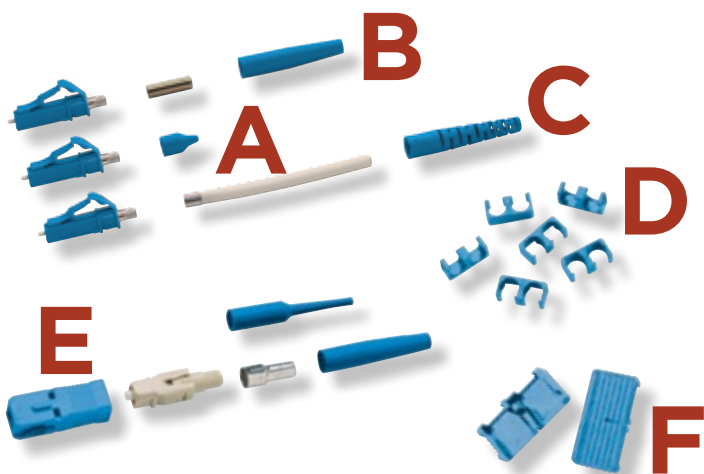
- Easy installation:
- No epoxy, no polishing
- No bench tool required
- Strip, cleave, and crimp
- Match fiber type of cable to fiber type of LightCrimp Plus connector
- Mates with standard couplers, adapters, and adapter plates
- LC small form factor design is half the size of SC
- Select appropriate part number for termination to:
 - 900 μ m tight-buffered fiber or 250 μ m coated fiber
 - 1.6 – 2.0 mm jacketed fiber
 - 3 mm jacketed fiber
- LC connector clip turns simplex connectors into duplex connectors and allows for polarity correction after termination
- Termination tool kits in Chapter 22

Connector Type	Housing Color	Boot Color	Used With	Figure	Part Number
LC Simplex, APC	Green	Blue	900 μ m buffered and 250 μ m coated fibers		2064181-1
LC Simplex	Blue	Blue	900 μ m buffered and 250 μ m coated fibers	A	6754482-1
			1.6 to 2.0 mm Jacketed Cable		1918626-1
SC Simplex, APC	Green	Blue	900 μ m buffered and 250 μ m coated fibers		2064184-1
SC Simplex	Blue	Blue	900 μ m buffered fibers, 250 μ m coated fibers, and 3 mm Jacketed Cable	B	6693276-1
ST	Metallic	Black	900 μ m buffered fibers, 250 μ m coated fibers, and 3 mm Jacketed Cable	C	1828953-3
Duplex LC Clip, package of 6	Blue	–	Simplex LC Connectors	D	1754371-4
1/2 Duplex SC Clip (two are required to make a complete clip)	Blue	–	Simplex SC Connectors	E	6348522-3

Note: APC (Angle Polish Connector) connectors are for use with other APC products.

Single-mode Epoxy/Polish Connectors

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- Each connector kit comes with accessories needed to terminate to 250 μ m fiber, 900 μ m tight-buffered fiber, 900 μ m easy-strip, buffer tube splitter kits, 2 mm or 3 mm cable (select appropriate part number)
- Suitable for use with heat-cured or anaerobic (quick cure) adhesive
- See Instruction Sheet for recommended anaerobic adhesive
- Mates with standard couplers, adapters, and adapter plates
- LC small form factor design is half the size of SC
- Pre-radiused ceramic ferrules for easy polishing
- Duplex SC can be assembled using two Simplex SC connectors and one duplex clip
- Boot type and coupling nut options (select appropriate part number)



Description	Housing Color	Boot Color	Used With	Figure	Part Number
LC Simplex	Blue	Blue	900 μ m buffered and 250 μ m coated fibers	A	1918384-1
			1.6 to 2 mm Jacketed Cable	B	1918266-1
			3.0 mm Jacketed Cable	C	1918374-1
Duplex LC Clip, package of 6	Blue	–	Simplex LC Connectors	D	1754371-4
SC Simplex	Blue	Blue	900 μ m buffered fibers, 250 μ m coated fibers, and 3 mm Jacketed Cable	E	5504646-7
			3 mm Jacketed Cable		5504646-1
			900 μ m buffered and 250 μ m coated fibers	E	5492123-1
			2 mm Jacketed Cable		5504934-2
SC Duplex	Blue	Blue	3 mm Jacketed Cable		5504655-1
1/2 Duplex SC Clip (two are required to make a complete clip)	Blue	–	Simplex SC Connectors	F	6348522-3
ST	Metalic	Yellow	900 μ m buffered fibers, and 250 μ m coated fibers		5503613-2
			900 μ m buffered fibers, 250 μ m coated fibers, and 3 mm Jacketed Cable	G	5502579-2
			900 μ m buffered fibers, 250 μ m coated fibers, and 3 mm Jacketed Cable	G	5502580-2

LightCrimp Splice

A



B



Insert First Fiber and Complete Buffer Crimp



Insert Second Fiber and Actuate Crimp

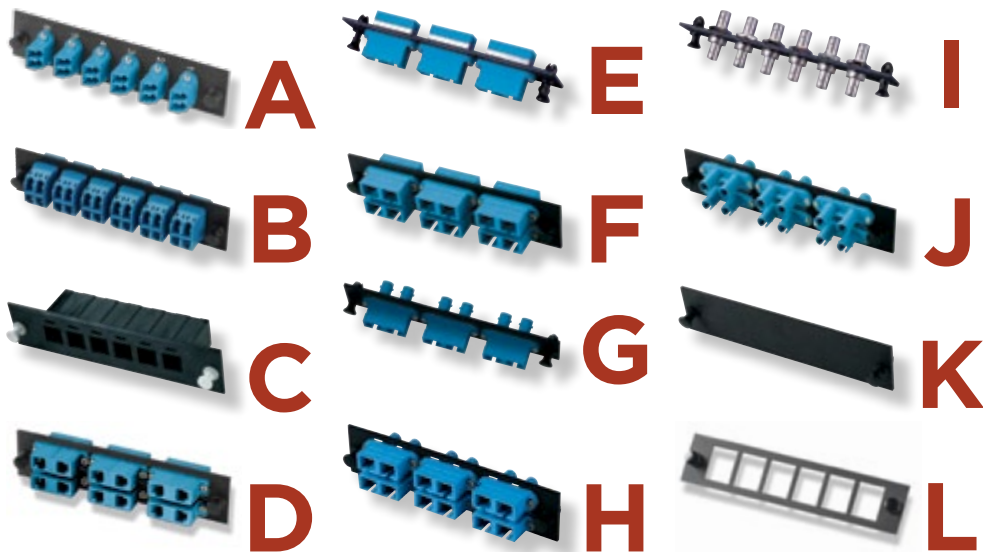


Complete Second Buffer Crimp and Remove Splice from Tool

- Terminates 250 μ m coated, 900 μ m tight-buffered, and
- 2.0 mm jacketed fibers
- Use with multimode and single-mode 125 μ m diameter fibers
- No epoxy, set-up, or workstation required
- Use Termination Tool Kit part number 1553212-1, See Chapter 22
- Splice Performance Characteristics:
 - Attenuation: Typical 0.1 dB
 - Return Loss: (at ambient: 18 to 28° C) >20 dB Multimode >35 dB Single-mode
 - Operating Temperature: -25 to 70° C
- Tensile Retention:
 - 250 μ m coated: 2.0 N
 - 900 μ m buffered: 3.0 N
 - Jacketed: 50 N

Description	Figure	Part Number
LightCrimp Splice for 250 μ m Coated and 900 μ m tight-buffered Fibers	A	1985374-1
LightCrimp Splice for 2.0 mm Jacketed Fiber	B	1985805-1

Single-mode Snap-in Adapter Plates



- All Snap-in Adapter Plates fit AMP NETCONNECT unloaded Optical Fiber Enclosures, see Chapter 15
- MT-RJ Jack Adapter Plates:
 - Hold up to six (6) MT-RJ (standard or secure) Jacks or Pigtail Jack Cable Assemblies
 - Accepts labeling icons
- MT-RJ Plug Adapter Plates hold up to twelve (12) MT-RJ Plugs (standard only)
- Package quantity = 1 per pack
- SL Series multimedia adapter plates accept SL Series jacks and inserts

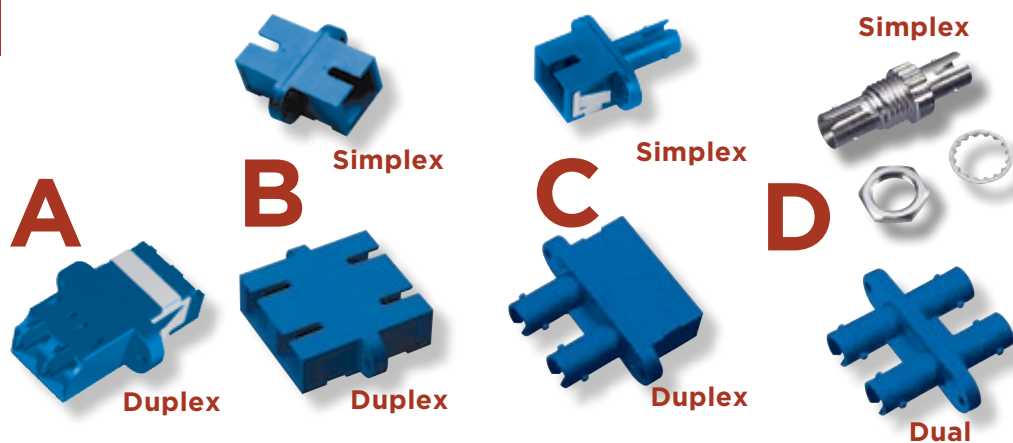
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Coupling Adapter	Fibers	Duplex Ports	Coupler Count	Adapter Color	Figure	Part Number
LC Duplex	12	6	6	Blue	A	1374463-1
	24	12	12	Blue	B	1435516-1
LC Duplex, APC	12	6	6	Green		1374463-6
	24	12	12	Green		1435516-6
MT-RJ, Holds 6 Jacks	12	6	—	—	C	1278328-3
MT-RJ, 12 Plugs	24	12	—	Blue	D	1435440-3
SC Simplex	6	3	3	Blue		559517-1
SC Simplex, APC	6	3	3	Green		559517-2
SC Duplex	6	3	3	Blue	E	559558-2
	12	6	6	Blue	F	559596-2
SC Duplex, APC	6	3	3	Green		559558-7
	12	6	6	Green		559596-3
SC Duplex to Dual ST	6	3	3	Blue	G	559601-6
	12	6	6	Blue	H	1278368-5
ST	6	3	6	Metallic	I	559515-2
	12	6	6	Blue	J	1278567-2
MPO	—	—	6	Black		1374598-1
Blank	—	—	—	—	K	559523-1
SL Series Multimedia Adapter Plate	—	—	—	—	L	1479506-1

Note: APC (Angle Polish Connector) connectors are for use with other APC products.

Single-mode Couplers & Adapters

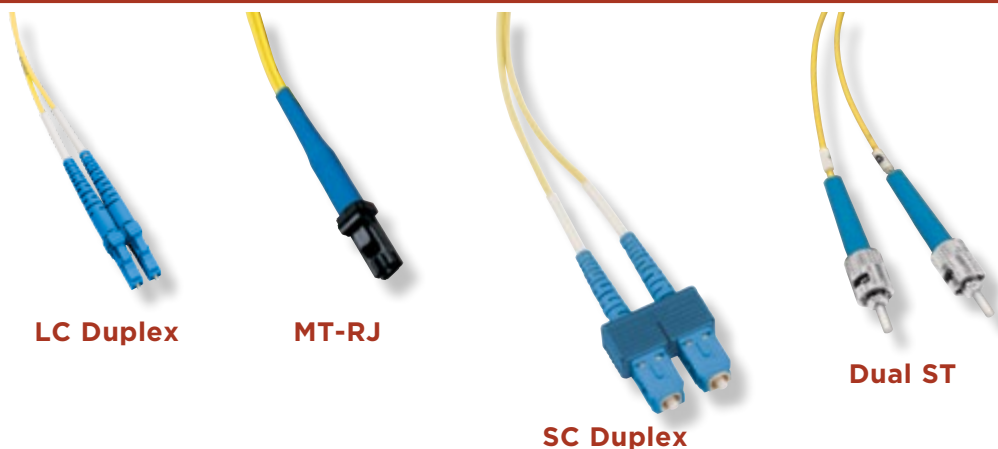
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- MT-RJ Couplers mate multimode or single-mode MT-RJ Plugs
- Duplex coupler mates four MT-RJ Plugs (4-fibers total, 2-fibers/mated pair)
- Simplex coupler mates two MT-RJ Plugs (2-fibers total, 2-fibers/mated pair)
- Mounting screws are available for couplers with mounting tabs (flanged)
- FOCIS - compliant designs
- For 504021, to order bulk packaging (50 per pack) use 504021-2

Description	Color	Figure	Simplex	Duplex	Quadplex (Dual Duplex)
MT-RJ Coupler	Almond		1278017-1	6374906-1	—
LC Coupler	Blue	A	1457062-1	6457567-4	1695790-4
SC Coupler	Blue	B	5502632-8	1-5502776-1	—
SC to ST Coupling Adapter	Blue	C	5502780-2	5503137-5	—
ST Coupler	Metallic/Blue	D	504021-1	503273-5	—

Single-mode LC Cable Assemblies



- LC, SC and ST connectors feature ceramic ferrules
- Cable assemblies are riser (OFNR) rated
- Each MT-RJ Connector houses two fibers
- Other lengths available, see customer drawings for details
- Yellow cable jacketing

Connector		Length				
End 1	End 2	1 m	2 m	3 m	5 m	10 m
LC Duplex	LC Duplex	1906856-1	1906856-2	1906856-3	1906856-5	1-1906856-0
	MT-RJ	6374645-1	6374645-2	6374645-3	6374645-5	1-6374645-0
	SC Duplex	1906768-1	1906768-2	1906768-3	1906768-5	1-1906768-0
	ST (Dual)	1906812-1	1906812-2	1906812-3	1906812-5	1-1906812-0

Single-mode MT-RJ Cable Assemblies

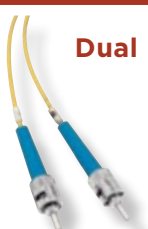
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						- SC and ST connectors feature ceramic ferrules - Cable assemblies are riser (OFNR) rated - Each MT-RJ Connector houses two fibers - Other lengths available, see customer drawings for details - Yellow cable jacketing	
MT-RJ		SC Duplex		Dual ST			
End 1	Connector	End 2	1 m	2 m	Length 3 m	5 m	10 m
MT-RJ		MT-RJ	6278033-1	6278033-2	6278033-3	6278033-5	1-6278033-0
		SC Simplex	6278030-1	6278030-2	6278030-3	6278030-5	1-6278030-0
		SC Duplex	6278031-1	6278031-2	6278031-3	6278031-5	1-6278031-0
		ST (Dual)	6278298-1	6278298-2	6278298-3	6278298-5	1-6278298-0

Single-mode SC Cable Assemblies



SC Duplex



Dual ST

- SC and ST connectors feature ceramic ferrules
- Cable assemblies are riser (OFNR) rated
- Other lengths available, see customer drawings for details
- Yellow cable jacketing

Connector		Length				
End 1	End 2	1 m	2 m	3 m	5 m	10 m
SC Duplex	SC Duplex	1907435-1	1907435-2	1907435-3	1907435-5	1-1907435-0
	ST (Dual)	1907357-1	1907357-2	1907357-3	1907357-5	1-1907357-0

Single-mode ST Cable Assemblies



Dual ST

- Connectors feature ceramic ferrules
- Cable assemblies are riser (OFNR) rated
- Other lengths available, see customer drawings for details
- Yellow cable jacketing

Connector		Length				
End 1	End 2	1 m	2 m	3 m	5 m	10 m
ST (Dual)	ST (Dual)	1907437-1	1907437-2	1907437-3	1907437-5	1-1907437-0

Single-mode Pigtail (Single-Ended) Cable Assemblies

- Splice-able pigtail assemblies 250 μm coated fiber in protective 900 μm tubing		Compatible with fusion or mechanical splices	- Each MT-RJ Connector houses two fibers - MT-RJ Plugs are pinned		
Connector End	Cable Type	1 m	Length 2 m	3 m	
LC Simplex	2 mm Jacketed With One 250 μ m coated fiber in protective 900 μ m tubing	6754401-1	—	—	
MT-RJ Jack, Black Housing	Dual 250 μ m coated fibers in 900 μ m tubing	6374020-1	6374020-2	6374020-3	
MT-RJ Plug, Black	Dual 250 μ m coated fibers in 900 μ m tubing	6693533-1	6693533-2	6693533-3	
SC Simplex, APC	3 mm Jacketed With One 250 μ m coated fiber in protective 900 μ m tubing	5492193-1	5492193-2	5492193-3	
SC Simplex	3 mm Jacketed With One 250 μ m coated fiber in protective 900 μ m tubing	5492081-1	5492081-2	5492081-3	
	Single 250 μ m coated fibers in 900 μ m tubing	5492065-1	5492065-2	5492065-3	

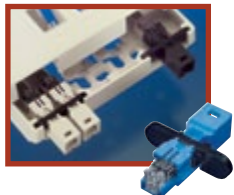
Note: APC (Angle Polish Connector) connectors are for use with other APC products.

Single-mode MT-RJ Pigtail Jack Accessories

10



- Parallel Dress Clips:
 - 1-Port clip holds one MT-RJ Jack (sold separately)
 - 2-Port clip holds two MT-RJ Jacks (sold separately)
 - Allow use of MT-RJ Jacks in faceplates and outlets that hold flanged optical fiber adapters



- Can be used with HIDEAWAY and HIDEOUT outlets (Chapter 06)
- Bend Limiting Boots:
 - Compatible with all MT-RJ Jacks
 - Comes in a package of six
 - Protects fiber transition at back of MT-RJ Jack



- SL Series housing easily snap into SL Series Modules, mounting straps, patch panels, and faceplates
- SL Series housing accepts one MT-RJ Jack sold separately
- MT-RJ Outlet Jacks not included with any accessory listed here

Description		Package Quantity	Figure	SL Series Housing Color	Part Number
Parallel Dress Clip	1-Port (Accepts 1 MT-RJ Jack)	6	A	—	1374206-1
	2-Port (Accepts 2 MT-RJ Jacks)	3	B	—	1374205-1
Bend Limiting Boot	Blue	6	C	—	6374208-6
				D	Almond
					Black
					White
					Gray
					Orange
					Blue
					Red
					Yellow
					Green
					Violet
					Electrical Ivory
					Rose
					Aqua
					Brown
					Slate
SL Series Housing	1-Port (Accepts 1 MT-RJ Jack)	1			1374416-1
					1374416-2
					1374416-3
					1374416-4
					1374416-5
					1374416-6
					1374416-7
					1374416-8
					1374416-9
					1-1374416-0
					1-1374416-1
					2-1374416-3
					2-1374416-4
					2-1374416-5
					2-1374416-6

Single-mode LC Test Kits

- Test Kits includes:
 - Cable Assemblies
 - LC Duplex Clips
 - Mandrels
 - Carrying case
- Test Kits for LC SECURE Connector Systems also available
- See "FIELD TESTING LC OPTICAL FIBER SYSTEMS" White Paper (available on-line at www.ampnetconnect.com) for test details

Description	Part Number
For use with Dual Fiber Testers with SC Transmit and LC Recieve Ports	1828869-1
For use with Dual Fiber Testers with ST Transmit and LC Recieve Ports	1828869-2
For use with Dual Fiber Testers with LC Transmit and LC Recieve Ports	1828869-3

Replacement Components for Single-mode LC Test Kits

- Assemblies are 3m in length
- Assemblies are Simplex style
- Cable Assemblies are riser (OFNR) rated

Description	Part Number
LC Duplex Clips (pack of 6)	1754371-4
LC to SC Simplex Assembly, 3m	1907489-3
LC to ST Simplex Assembly, 3m	1907492-3
LC to LC Simplex Assembly, 3m	1907495-3

Single-mode MT-RJ Loopbacks

Description	Part Number
MT-RJ Loopback	6278358-1

Single-mode MT-RJ Test Kits



- Each test kit includes:
 - 1 - MT-RJ Adapter
 - 2 - MT-RJ (no pins) to SC Simplex or ST Cable Assemblies
 - 1 - MT-RJ (with pins) to SC Simplex or ST Cable Assembly
 - 1 - MT-RJ to MT-RJ Cable Assembly
 - 1 - Carrying case
- Test Kits for MT-RJ SECURE Connector Systems also available
- See "MT-RJ OPTICAL FIBER SYSTEMS TESTING" White Paper (available on-line at www.ampnetconnect.com) for details

Equipment Transmit Port	Part Number
SC	1278863-1
ST	1278863-2

Replacement Components for Single-mode MT-RJ Test Kits

- All assemblies are 4 m in length
- Pinned MT-RJ Cable Assemblies are used for testing only
- Cable Assemblies are riser-rated

Description	Connector End 1	Connector End 2	Part Number
Replacement Cable Assemblies	Unpinned MT-RJ	Unpinned MT-RJ	6435096-3
	Unpinned MT-RJ	SC	6435092-3
	Unpinned MT-RJ	ST-style	6435094-3
	Pinned MT-RJ	SC	6435092-6
	Pinned MT-RJ	ST-style	6435094-6
Replacement Coupler	MT-RJ Plug	MT-RJ Plug	1278017-1



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Tyco Electronics Corporation AMP NETCONNECT Global Offices:

North America

Harrisburg, PA, USA
Ph: +1-800-553-0938
Fx: +1-717-986-7406

Europe

Kessel-Lo, Belgium
Ph: +32-16-352-300
Fx: +32-16-352-353

Mid East & Africa

Cergy-Pontoise, France
Ph: +33-1-3420-2122
Fx: +33-1-3420-2268

Latin America

Buenos Aires, Argentina
Ph: +54-11-4733-2200
Fx: +54-11-4733-2282

Asia

Hongkong, China
Ph: +852-2735-1628
Fx: +852-2735-1625

Pacific

Sydney, Australia
Ph: +61-2-9407-2600
Fx: +61-2-9407-2519

Tyco Electronics Corporation AMP NETCONNECT North American Offices:

United States

Greensboro, NC, USA
Ph: +1-800-553-0938
Fx: +1-717-986-7406

Canada

Markham, Ontario, Canada
Ph: 905-475-6222
Fx: 905-474-5519

