

Single-Mode, 9-Micron Duplex Fiber Optic Cable



**Increase data transmission distance
and speed without fear of interference.**

FEATURES

- Easy to handle and use.
- 9/125- μ m single-mode cable.
- Higher rate of data transmission than multimode fiber.
- One mode of propagation eliminates interference between wavelengths and reduces the need for repeaters.
- Choose from 14 different connector combinations.

OVERVIEW

With Single-Mode Duplex Fiber Optic Cables, you get up to 50 times more distance than multimode fiber. And you can increase your throughput, too!

These single-mode fiberoptic cables are lighter and more durable than copper—which translates into easier handling and less replacement for you. And security isn't an issue—these cables can't be tampered with or have data taps installed.

The cables transmit data faster and over greater distances than multimode fibers—increasing the distance between repeaters.

Plus, they're immune to electromagnetic interference. You can install them safely with other fiber and/or copper cables without worrying about crosstalk.

These are the ideal cables to use to patch single-mode backbones to high-speed network devices, such as Gigabit Ethernet switches.

The PVC cable is certified OFNR for use as a riser cable. The plenum cable is certified OFNP for use in air plenums.

TECH SPECS

Application — For duplex single-mode riser and plenum applications

Attenuation — Maximum: 1.0/0.75 dB at 1310/1550 nm;

Typical: 0.5/0.4 dB at 1310/1550 nm

Bend Radius — Minimum 2" (5.1 cm) loaded, 1" (2.5 cm) unloaded

Buffer Diameter — 900 μ m

Cladding — 125 μ m

Conductors — 2

Core — 9 μ m

Distance — Serial Gigabit Ethernet: 5000 m at 1310 nm;

Serial 10-Gigabit Ethernet: 10,000/40,000 m at 1310/1550 nm

Ferrule — Ceramic

Housing — Composite

Insertion Loss — 0.2 dB typical

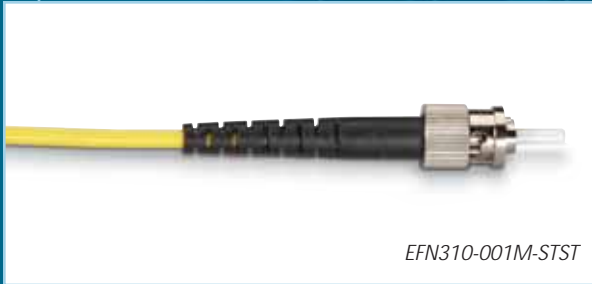
Tensile Loads (Maximum) — Short-term: 220 Newtons or 48 lbf;

Long-term: 66 Newtons or 15 lbf

Operating Temperature — 32 to 158°F (0 to 70°C)

Item			Code	
Single-Mode, 9-Micron, Duplex Fiber Optic Cable				
ST*–ST				
PVC	1-m	(3.2-ft.)	EFN310-001M-STST	
	2-m	(6.5-ft.)	EFN310-002M-STST	
	3-m	(9.8-ft.)	EFN310-003M-STST	
	5-m	(16.4-ft.)	EFN310-005M-STST	
	10-m	(32.8-ft.)	EFN310-010M-STST	
	15-m	(49.2-ft.)	EFN310-015M-STST	
	20-m	(65.6-ft.)	EFN310-020M-STST	
	30-m	(98.4-ft.)	EFN310-030M-STST	
	Custom Lengths			EFN5009
	Plenum	5-m	(16.4-ft.)	EFP310-005M-STST
10-m		(32.8-ft.)	EFP310-010M-STST	
15-m		(49.2-ft.)	EFP310-015M-STST	
30-m		(98.4-ft.)	EFP310-030M-STST	
SC–SC				
PVC	1-m	(3.2-ft.)	EFN310-001M-SCSC	
	2-m	(6.5-ft.)	EFN310-002M-SCSC	
	3-m	(9.8-ft.)	EFN310-003M-SCSC	
	5-m	(16.4-ft.)	EFN310-005M-SCSC	
	10-m	(32.8-ft.)	EFN310-010M-SCSC	
	15-m	(49.2-ft.)	EFN310-015M-SCSC	
	20-m	(65.6-ft.)	EFN310-020M-SCSC	
	30-m	(98.4-ft.)	EFN310-030M-SCSC	
	Custom Lengths			EFN5010
	Plenum	5-m	(16.4-ft.)	EFP310-005M-SCSC
10-m		(32.8-ft.)	EFP310-010M-SCSC	
15-m		(49.2-ft.)	EFP310-015M-SCSC	
30-m		(98.4-ft.)	EFP310-030M-SCSC	

Item			Code	
Single-Mode, 9-Micron, Duplex Fiber Optic Cable (Continued)				
ST–SC				
PVC	1-m	(3.2-ft.)	EFN310-001M-STSC	
	2-m	(6.5-ft.)	EFN310-002M-STSC	
	3-m	(9.8-ft.)	EFN310-003M-STSC	
	5-m	(16.4-ft.)	EFN310-005M-STSC	
	10-m	(32.8-ft.)	EFN310-010M-STSC	
	15-m	(49.2-ft.)	EFN310-015M-STSC	
	20-m	(65.6-ft.)	EFN310-020M-STSC	
	30-m	(98.4-ft.)	EFN310-030M-STSC	
	Custom Lengths			EFN5011
	Plenum	5-m	(16.4-ft.)	EFP310-005M-STSC
10-m		(32.8-ft.)	EFP310-010M-STSC	
15-m		(49.2-ft.)	EFP310-015M-STSC	
30-m		(98.4-ft.)	EFP310-030M-STSC	
MT-RJ–MT-RJ				
PVC	1-m	(3.2-ft.)	EFN310-001M-MTMT	
	2-m	(6.5-ft.)	EFN310-002M-MTMT	
	3-m	(9.8-ft.)	EFN310-003M-MTMT	
	5-m	(16.4-ft.)	EFN310-005M-MTMT	
	10-m	(32.8-ft.)	EFN310-010M-MTMT	
	15-m	(49.2-ft.)	EFN310-015M-MTMT	
	20-m	(65.6-ft.)	EFN310-020M-MTMT	
	30-m	(98.4-ft.)	EFN310-030M-MTMT	
	Custom Lengths			EFN5013
	Plenum	5-m	(16.4-ft.)	EFP310-005M-MTMT
10-m		(32.8-ft.)	EFP310-010M-MTMT	
15-m		(49.2-ft.)	EFP310-015M-MTMT	
30-m		(98.4-ft.)	EFP310-030M-MTMT	



EFN310-001M-STST

Item			Code	
Single-Mode, 9-Micron, Duplex Fiber Optic Cable (Continued)				
MT-RJ-ST®				
PVC	1-m	(3.2-ft.)	EFN310-001M-STMT	
	2-m	(6.5-ft.)	EFN310-002M-STMT	
	3-m	(9.8-ft.)	EFN310-003M-STMT	
	5-m	(16.4-ft.)	EFN310-005M-STMT	
	10-m	(32.8-ft.)	EFN310-010M-STMT	
	15-m	(49.2-ft.)	EFN310-015M-STMT	
	20-m	(65.6-ft.)	EFN310-020M-STMT	
	30-m	(98.4-ft.)	EFN310-030M-STMT	
	Custom Lengths			EFN5014
	Plenum	5-m	(16.4-ft.)	EFP310-005M-STMT
10-m		(32.8-ft.)	EFP310-010M-STMT	
15-m		(49.2-ft.)	EFP310-015M-STMT	
30-m		(98.4-ft.)	EFP310-030M-STMT	
MT-RJ-SC				
PVC	1-m	(3.2-ft.)	EFN310-001M-SCMT	
	2-m	(6.5-ft.)	EFN310-002M-SCMT	
	3-m	(9.8-ft.)	EFN310-003M-SCMT	
	5-m	(16.4-ft.)	EFN310-005M-SCMT	
	10-m	(32.8-ft.)	EFN310-010M-SCMT	
	15-m	(49.2-ft.)	EFN310-015M-SCMT	
	20-m	(65.6-ft.)	EFN310-020M-SCMT	
	30-m	(98.4-ft.)	EFN310-030M-SCMT	
	Custom Lengths			EFN5015
	Plenum	5-m	(16.4-ft.)	EFP310-005M-SCMT
10-m		(32.8-ft.)	EFP310-010M-SCMT	
15-m		(49.2-ft.)	EFP310-015M-SCMT	
30-m		(98.4-ft.)	EFP310-030M-SCMT	
LC-LC				
PVC	1-m	(3.2-ft.)	EFN310-001M-LCLC	
	2-m	(6.5-ft.)	EFN310-002M-LCLC	
	3-m	(9.8-ft.)	EFN310-003M-LCLC	
	5-m	(16.4-ft.)	EFN310-005M-LCLC	
	10-m	(32.8-ft.)	EFN310-010M-LCLC	
	15-m	(49.2-ft.)	EFN310-015M-LCLC	
	20-m	(65.6-ft.)	EFN310-020M-LCLC	
	30-m	(98.4-ft.)	EFN310-030M-LCLC	
	Custom Lengths			EFN092
	Plenum	5-m	(16.4-ft.)	EFP310-005M-LCLC
10-m		(32.8-ft.)	EFP310-010M-LCLC	
15-m		(49.2-ft.)	EFP310-015M-LCLC	
30-m		(98.4-ft.)	EFP310-030M-LCLC	
LC-ST				
PVC	1-m	(3.2-ft.)	EFN310-001M-STLC	
	2-m	(6.5-ft.)	EFN310-002M-STLC	
	3-m	(9.8-ft.)	EFN310-003M-STLC	
	5-m	(16.4-ft.)	EFN310-005M-STLC	
	10-m	(32.8-ft.)	EFN310-010M-STLC	
	15-m	(49.2-ft.)	EFN310-015M-STLC	
	20-m	(65.6-ft.)	EFN310-020M-STLC	
	30-m	(98.4-ft.)	EFN310-030M-STLC	
Custom Lengths			EFN093	

Item			Code	
Single-Mode, 9-Micron, Duplex Fiber Optic Cable (Continued)				
LC-ST (Continued)				
Plenum	5-m	(16.4-ft.)	EFP310-005M-STLC	
	10-m	(32.8-ft.)	EFP310-010M-STLC	
	15-m	(49.2-ft.)	EFP310-015M-STLC	
	30-m	(98.4-ft.)	EFP310-030M-STLC	
LC-SC				
PVC	1-m	(3.2-ft.)	EFN310-001M-SCLC	
	2-m	(6.5-ft.)	EFN310-002M-SCLC	
	3-m	(9.8-ft.)	EFN310-003M-SCLC	
	5-m	(16.4-ft.)	EFN310-005M-SCLC	
	10-m	(32.8-ft.)	EFN310-010M-SCLC	
	15-m	(49.2-ft.)	EFN310-015M-SCLC	
	20-m	(65.6-ft.)	EFN310-020M-SCLC	
	30-m	(98.4-ft.)	EFN310-030M-SCLC	
	Custom Lengths			EFN094
	MU-MU			
PVC	1-m	(3.2-ft.)	EFN095-001M	
	2-m	(6.5-ft.)	EFN095-002M	
	3-m	(9.8-ft.)	EFN095-003M	
	5-m	(16.4-ft.)	EFN095-005M	
	10-m	(32.8-ft.)	EFN095-010M	
	Custom Lengths			EFN095
MU-SC				
PVC	1-m	(3.2-ft.)	EFN096-001M	
	2-m	(6.5-ft.)	EFN096-002M	
	3-m	(9.8-ft.)	EFN096-003M	
	5-m	(16.4-ft.)	EFN096-005M	
	10-m	(32.8-ft.)	EFN096-010M	
	Custom Lengths			EFN096
MU-ST				
PVC	1-m	(3.2-ft.)	EFN097-001M	
	2-m	(6.5-ft.)	EFN097-002M	
	3-m	(9.8-ft.)	EFN097-003M	
	5-m	(16.4-ft.)	EFN097-005M	
	10-m	(32.8-ft.)	EFN097-010M	
	Custom Lengths			EFN097
MU-LC				
PVC	1-m	(3.2-ft.)	EFN098-001M	
	2-m	(6.5-ft.)	EFN098-002M	
	3-m	(9.8-ft.)	EFN098-003M	
	5-m	(16.4-ft.)	EFN098-005M	
	10-m	(32.8-ft.)	EFN098-010M	
	Custom Lengths			EFN098
MU-MT-RJ				
PVC	1-m	(3.2-ft.)	EFN099-001M	
	2-m	(6.5-ft.)	EFN099-002M	
	3-m	(9.8-ft.)	EFN099-003M	
	5-m	(16.4-ft.)	EFN099-005M	
	10-m	(32.8-ft.)	EFN099-010M	
	Custom Lengths			EFN099