

Duplex Multimode 50/125 Fiber Patch Cable (LC/LC), 3M (10 ft.)

MODEL NUMBER: N520-03M



Features

- Constructed with 50/125 micron cable
- Length 3M
- Use on fiber and fibre channel installations
- LC male to LC male connectors
- Higher bandwidth optimized for gigabit and 10Gbps networks
- Backward compatible with 62.5 micron fiber
- Built-in headroom for future applications
- Number of fibers: 2
- Fiber type: all glass graded index
- Core diameter: two 50+/-3 microns
- CLAD diameter: 125+/-2 microns
- Primary coating diameter: 245+/-15 microns
- Primary coating material: acrylate
- Secondary coating diameter: 900+/-50 microns
- · Secondary coating material: PVC
- Attenuation @850NM: 3.5DB/KM maximum, @1300NM: 1.0DB/KM maximum
- Bandwidth @850NM: 220 MHz-KM minimum, @1300NM: 600 MHz-KM minimum
- Numeric aperture: .275 nominal
- Proof test level: 100,000 PSI
- Insertion loss testing performed on every connector (0.2db typical) and provided with cable
- Beveled edge on ends of glass makes insertion of plug a breeze

Specifications

Highlights

- Premium PVC multimode patch cables
- Attenuation loss meets or exceeds the latest industry standards
- Higher bandwidth, optimized for gigabit and 10Gbps networks
- Backward compatible with 62.5 micron fiber
- Built-in headroom for future applications

System Requirements

 Any fiber optic hardware or NIC card requiring multimode duplex cable with LC/LC connectors

Package Includes

 3M duplex MMF cable LC/LC 50/125 fiber



Bandwidth @ 1300NM 600 MHz-km minimum Bandwidth @ 850NM 220 MHz-km minimum Numerical Aperture 275 nominal Primary Coating Material Acrylate Proof Test Level 100,000 PSI Secondary Coating Material PVC Technology Multimode Optical Mode OM2 PHYSICAL Cable Jacket Color Orange Connector Color Gray Cable Jacket Material LSZH Cable Jacket Rating OFNR Clad Diameter (microns) 125 Core Diameter (microns) 50 Primary Coating Diameter (microns) 245 Secondary Coating Diameter (microns) 20 Number of Fibers 2 Cable Length (ft.) 9.8 Cable Length (in) 118.1		
Bandwidth @ 1500NM 600 MHz-km minimum Bandwidth @ 850NM 220 MHz-km minimum Numerical Aperture 275 nominal Primary Coating Material Actylate Proof Test Level 100,000 PSI Secondary Coating Material PVC Technology Multimode Optical Mode OM2 PHYSICAL Cable Jacket Color Orange Connector Color Gray Cable Jacket Material LSZH Cable Jacket Attaing OFNR Clad Diameter (microns) 125 Clad Diameter (microns) 50 Primary Coating Diameter (microns) 50 Secondary Coating Diameter (microns) 50 Secondary Coating Diameter (microns) 245 Secondary Coating Diameter (microns) 29 Cable Length (ft.) 9.8 Cable Length (m) 118.1 Minimum Bend Radius 20 mm (Dynamic); 10 mm (Static) Shipping Dimensions (ftwd / cm) 9.00 x 7.00 x 0.50 Shipping Weight (lbs.) 0.06 Shipping Weight (OVERVIEW	
Bandwidth @ 850NM 220 MHz-km minimum Numerical Aperture 275 nominal Primary Coating Material Acrylate Proof Test Level 10,000 PSI Secondary Coating Material PVC Technology Multimode Optical Mode 0M2 PHYSICAL Cable Jacket Color Orange Connector Color Gray Cable Jacket Material LSZH Cable Jacket Rating OFNR Cital Diameter (microns) 125 Core Diameter (microns) 50 Primary Coating Diameter (microns) 245 Secondary Coating Diameter (microns) 90 Secondary Coating Diameter (microns) 2 Shipping Diameter (microns) 2 Shipping Diameter (microns) 2 Shipping Dimensions	UPC Code	037332117236
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Primary Coating Material Acrylate Proof Test Level 100,000 PSI Secondary Coating Material PVC Technology Multimode Optical Mode OM2 PHYSICAL Cable Jacket Color Graye Connector Color Gray Cable Jacket Material LSZH Cable Jacket Rating OFNR Clad Diameter (microns) 50 Primary Coating Diameter (microns) 45 Secondary Coating Diameter (microns) 900 Number of Fibers 2 Cable Length (ft.) 9.8 Cable Length (ft.) 9.8 Cable Length (m) 18.1 Minimum Bend Radius 2 pm (Dynamic); 10 mm (Static) Shipping Dimensions (hwd / in) 9.00 x 7.00 x 0.0 t.0 Shipping Weight (bs.) 0.06 Shipping Weight (kg.) 0.03 Filber Cable Length M (9.8 ft) ENVIRONMENTAL 4" to 140°F (-20° to 60°C) Storage Temperature Range 4" to 140°F (-20° to 60°C)	Bandwidth @ 850NM	220 MHz-km minimum
Proof Test Level 100,000 PSI Secondary Coating Material PVC Technology Multimode Optical Mode OM2 PHYSICAL Cable Jacket Color Orange Connector Color Gray Cable Jacket Material LSZH Cable Jacket Rating OFNR Clad Diameter (microns) 125 Core Diameter (microns) 50 Primary Coating Diameter (microns) 245 Secondary Coating Diameter (microns) 20 Number of Fibers 2 Cable Length (ft.) 9.8 Cable Length (ft.) 9.8 Cable Length (ft.) 118.1 Minimum Bend Radius 20 mm (Dynamic): 10 mm (Static) Shipping Dimensions (hwd / in.) 9.00 x 7.00 x 0.50 Shipping Dimensions (hwd / cm) 22.86 x 17.78 x 1.27 Shipping Weight (kg) 0.08 Shipping Weight (kg) 0.03 Fiber Cable Length 3M (9.8 ft) Environmental -4° to 140°F (-20° to 60°C) Storage Temperature Range	Numerical Aperture	.275 nominal
Secondary Coating Material PVC Technology Multimode Optical Mode OM2 PHYSICAL Cable Jacket Color Orange Connector Color Gray Cable Jacket Material LSZH Cable Jacket Rating OFNR Clad Diameter (microns) 125 Core Dlameter (microns) 50 Primary Coating Diameter (microns) 245 Secondary Coating Diameter 900 Number of Fibers 2 Cable Length (fit) 9.8 Cable Length (m) 2.99 Cable Length (m) 118.1 Minimum Bend Radius 20 mm (Dynamic); 10 mm (Static) Shipping Dimensions (hwd / in.) 9.00 x 7.00 x 0.50 Shipping Weight (lbs) 0.06 Shipping Weight (kg) 0.03 Fiber Cable Length 3M (9.8 lt) ENVIRONMENTAL Operating Temperature Range -4" to 140°F (-20° to 60°C) Storage Temperature Range -4" to 140°F (-20° to 60°C)	Primary Coating Material	Acrylate
Technology Multimode Optical Mode OM2 PHYSICAL Cable Jacket Color Orange Cable Jacket Material LSZH Cable Jacket Rating OFNR Clad Diameter (microns) 125 Core Diameter (microns) 50 Primary Coating Diameter (microns) 245 Secondary Coating Diameter (microns) 900 Number of Fibers 2 Cable Length (ft.) 8.8 Cable Length (m) 2.99 Cable Length (in.) 118.1 Minimum Bend Radius 20 mm (Dynamic); 10 mm (Static) Shipping Dimensions (hwd / in.) 9.00 x 7.00 x 0.50 Shipping Weight (lbs.) 0.06 Shipping Weight (kg) 0.03 Fiber Cable Length Min (9.8 ft) ENVIRONMENTAL Operating Temperature Range 4" to 140"F (-20" to 60"C) Storage Temperature Range 4" to 140"F (-20" to 60"C)	Proof Test Level	100,000 PSI
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PHYSICAL Cable Jacket Color Orange Connector Color Gray Cable Jacket Material LSZH Cable Jacket Rating OFNR Clad Diameter (microns) 125 Core Diameter (microns) 50 Primary Coating Diameter (microns) 245 Secondary Coating Diameter (microns) 900 Number of Fibers 2 Cable Length (ft.) 9.8 Cable Length (m) 2.99 Cable Length (in.) 118.1 Minimum Bend Radius 20 mm (Dynamic): 10 mm (Static) Shipping Dimensions (hwd / in.) 9.00 x 7.00 x 0.50 Shipping Dimensions (hwd / in.) 9.00 x 7.00 x 0.50 Shipping Weight (lbs.) 0.06 Shipping Weight (kg) 0.03 Fiber Cable Length 3M (9.8 ft) ENVIRONMENTAL -4° to 140°F (-20° to 60°C) Storage Temperature Range -4° to 140°F (-20° to 60°C)	Technology	Multimode
Cable Jacket Color Orange Connector Color Gray Cable Jacket Material LSZH Cable Jacket Rating OFNR Clad Diameter (microns) 125 Core Diameter (microns) 50 Primary Coating Diameter (microns) 245 Secondary Coating Diameter (microns) 900 Number of Fibers 2 Cable Length (ft.) 9.8 Cable Length (m) 2.99 Cable Length (in.) 118.1 Minimum Bend Radius 20 mm (Dynamic); 10 mm (Static) Shipping Dimensions (hwd / in.) 9.00 x 7.00 x 0.50 Shipping Dimensions (hwd / cm) 22.86 x 17.78 x 1.27 Shipping Weight (kjs.) 0.06 Shipping Weight (kg) 0.03 Fiber Cable Length 3M (9.8 ft) ENVIRONMENTAL Operating Temperature Range 4* to 140°F (-20° to 60°C) Storage Temperature Range -4* to 140°F (-20° to 60°C)	Optical Mode	OM2
Connector Color Gray Cable Jacket Material LSZH Cable Jacket Rating OFNR Clad Diameter (microns) 125 Core Diameter (microns) 50 Primary Coating Diameter (microns) 245 Secondary Coating Diameter (microns) 900 Number of Fibers 2 Cable Length (ft.) 9.8 Cable Length (m) 2.99 Cable Length (in.) 118.1 Minimum Bend Radius 20 mm (Dynamic); 10 mm (Static) Shipping Dimensions (hwd / in.) 9.00 x 7.00 x 0.50 Shipping Dimensions (hwd / cm) 22.86 x 17.78 x 1.27 Shipping Weight (kg) 0.06 Shipping Weight (kg) 0.03 Fiber Cable Length 3M (9.8 ft) ENVIRONMENTAL Operating Temperature Range 4* to 140°F (-20° to 60°C) Storage Temperature Range -4* to 140°F (-20° to 60°C)	PHYSICAL	
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Cable Jacket Rating OFNR Clad Diameter (microns) 125 Core Diameter (microns) 50 Primary Coating Diameter (microns) 245 Secondary Coating Diameter (microns) 900 Number of Fibers 2 Cable Length (ft.) 9.8 Cable Length (in.) 118.1 Minimum Bend Radius 20 mm (Dynamic); 10 mm (Static) Shipping Dimensions (hwd / in.) 9.00 x 7.00 x 0.50 Shipping Dimensions (hwd / cm) 22.86 x 17.78 x 1.27 Shipping Weight (lbs.) 0.06 Shipping Weight (kg) 0.03 Fiber Cable Length 3M (9.8 ft) ENVIRONMENTAL Operating Temperature Range -4" to 140°F (-20° to 60°C) Storage Temperature Range -4" to 140°F (-20° to 60°C)	Connector Color	Gray
Clad Diameter (microns) 125 Core Diameter (microns) 50 Primary Coating Diameter (microns) 245 Secondary Coating Diameter (microns) 900 Number of Fibers 2 Cable Length (ft.) 9.8 Cable Length (m) 2.99 Cable Length (in.) 118.1 Minimum Bend Radius 20 mm (Dynamic); 10 mm (Static) Shipping Dimensions (hwd / in.) 9.00 x 7.00 x 0.50 Shipping Dimensions (hwd / cm) 22.86 x 17.78 x 1.27 Shipping Weight (lbs.) 0.06 Shipping Weight (kg) 0.03 Fiber Cable Length 3M (9.8 ft) ENVIRONMENTAL Operating Temperature Range -4° to 140°F (-20° to 60°C) Storage Temperature Range -4° to 140°F (-20° to 60°C)	Cable Jacket Material	LSZH
Core Diameter (microns) 50 Primary Coating Diameter (microns) 245 Secondary Coating Diameter (microns) 900 Number of Fibers 2 Cable Length (ft.) 9.8 Cable Length (m) 2.99 Cable Length (in.) 118.1 Minimum Bend Radius 20 mm (Dynamic); 10 mm (Static) Shipping Dimensions (hwd / in.) 9.00 x 7.00 x 0.50 Shipping Dimensions (hwd / cm) 22.86 x 17.78 x 1.27 Shipping Weight (lbs.) 0.06 Shipping Weight (kg) 0.03 Fiber Cable Length 3M (9.8 ft) ENVIRONMENTAL 4° to 140°F (-20° to 60°C) Storage Temperature Range -4° to 140°F (-20° to 60°C)	Cable Jacket Rating	OFNR
Primary Coating Diameter (microns) 245 Secondary Coating Diameter (microns) 900 Number of Fibers 2 Cable Length (ft.) 9.8 Cable Length (m) 2.99 Cable Length (in.) 118.1 Minimum Bend Radius 20 mm (Dynamic); 10 mm (Static) Shipping Dimensions (hwd / in.) 9.00 x 7.00 x 0.50 Shipping Dimensions (hwd / cm) 22.86 x 17.78 x 1.27 Shipping Weight (lbs.) 0.06 Shipping Weight (kg) 0.03 Fiber Cable Length 3M (9.8 ft) ENVIRONMENTAL Operating Temperature Range -4° to 140°F (-20° to 60°C) Storage Temperature Range -4° to 140°F (-20° to 60°C)	Clad Diameter (microns)	125
Secondary Coating Diameter (microns) 900 Number of Fibers 2 Cable Length (ft.) 9.8 Cable Length (m) 2.99 Cable Length (in.) 118.1 Minimum Bend Radius 20 mm (Dynamic); 10 mm (Static) Shipping Dimensions (hwd / in.) 9.00 x 7.00 x 0.50 Shipping Dimensions (hwd / cm) 22.86 x 17.78 x 1.27 Shipping Weight (lbs.) 0.06 Shipping Weight (kg) 0.03 Fiber Cable Length 3M (9.8 ft) ENVIRONMENTAL Operating Temperature Range -4° to 140°F (-20° to 60°C) Storage Temperature Range -4° to 140°F (-20° to 60°C)	Core Diameter (microns)	50
Number of Fibers 2 Cable Length (ft.) 9.8 Cable Length (m) 2.99 Cable Length (in.) 118.1 Minimum Bend Radius 20 mm (Dynamic); 10 mm (Static) Shipping Dimensions (hwd / in.) 9.00 x 7.00 x 0.50 Shipping Dimensions (hwd / cm) 22.86 x 17.78 x 1.27 Shipping Weight (lbs.) 0.06 Shipping Weight (kg) 0.03 Fiber Cable Length 3M (9.8 ft) ENVIRONMENTAL Operating Temperature Range -4° to 140°F (-20° to 60°C) Storage Temperature Range -4° to 140°F (-20° to 60°C)	Primary Coating Diameter (microns)	245
Cable Length (ft.) 9.8 Cable Length (m) 2.99 Cable Length (in.) 118.1 Minimum Bend Radius 20 mm (Dynamic); 10 mm (Static) Shipping Dimensions (hwd / in.) 9.00 x 7.00 x 0.50 Shipping Dimensions (hwd / cm) 22.86 x 17.78 x 1.27 Shipping Weight (lbs.) 0.06 Shipping Weight (kg) 0.03 Fiber Cable Length 3M (9.8 ft) ENVIRONMENTAL Operating Temperature Range -4° to 140°F (-20° to 60°C) Storage Temperature Range -4° to 140°F (-20° to 60°C)	Secondary Coating Diameter (microns)	900
Cable Length (m) 2.99 Cable Length (in.) 118.1 Minimum Bend Radius 20 mm (Dynamic); 10 mm (Static) Shipping Dimensions (hwd / in.) 9.00 x 7.00 x 0.50 Shipping Dimensions (hwd / cm) 22.86 x 17.78 x 1.27 Shipping Weight (lbs.) 0.06 Shipping Weight (kg) 0.03 Fiber Cable Length 3M (9.8 ft) ENVIRONMENTAL Operating Temperature Range -4° to 140°F (-20° to 60°C) Storage Temperature Range -4° to 140°F (-20° to 60°C)	Number of Fibers	2
Cable Length (in.) Minimum Bend Radius 20 mm (Dynamic); 10 mm (Static) Shipping Dimensions (hwd / in.) 9.00 x 7.00 x 0.50 Shipping Dimensions (hwd / cm) 22.86 x 17.78 x 1.27 Shipping Weight (lbs.) 0.06 Shipping Weight (kg) 7.00 x 0.50 Shipping Weight (kg) 0.03 Fiber Cable Length 3M (9.8 ft) ENVIRONMENTAL Operating Temperature Range -4° to 140°F (-20° to 60°C) Storage Temperature Range -4° to 140°F (-20° to 60°C)	Cable Length (ft.)	9.8
Minimum Bend Radius 20 mm (Dynamic); 10 mm (Static) Shipping Dimensions (hwd / in.) 9.00 x 7.00 x 0.50 Shipping Dimensions (hwd / cm) 22.86 x 17.78 x 1.27 Shipping Weight (lbs.) 0.06 Shipping Weight (kg) 0.03 Fiber Cable Length 3M (9.8 ft) ENVIRONMENTAL Operating Temperature Range -4° to 140°F (-20° to 60°C) Storage Temperature Range -4° to 140°F (-20° to 60°C)	Cable Length (m)	2.99
Shipping Dimensions (hwd / in.) 9.00 x 7.00 x 0.50 Shipping Dimensions (hwd / cm) 22.86 x 17.78 x 1.27 Shipping Weight (lbs.) 0.06 Shipping Weight (kg) 0.03 Fiber Cable Length 3M (9.8 ft) ENVIRONMENTAL Operating Temperature Range -4° to 140°F (-20° to 60°C) Storage Temperature Range -4° to 140°F (-20° to 60°C)	Cable Length (in.)	118.1
Shipping Dimensions (hwd / cm) 22.86 x 17.78 x 1.27 Shipping Weight (lbs.) 0.06 Shipping Weight (kg) 0.03 Fiber Cable Length 3M (9.8 ft) ENVIRONMENTAL Operating Temperature Range -4° to 140°F (-20° to 60°C) Storage Temperature Range -4° to 140°F (-20° to 60°C)	Minimum Bend Radius	20 mm (Dynamic); 10 mm (Static)
Shipping Weight (lbs.) Shipping Weight (kg) 0.03 Fiber Cable Length 3M (9.8 ft) ENVIRONMENTAL Operating Temperature Range -4° to 140°F (-20° to 60°C) Storage Temperature Range -4° to 140°F (-20° to 60°C)	Shipping Dimensions (hwd / in.)	9.00 x 7.00 x 0.50
Shipping Weight (kg) Fiber Cable Length 3M (9.8 ft) ENVIRONMENTAL Operating Temperature Range -4° to 140°F (-20° to 60°C) Storage Temperature Range -4° to 140°F (-20° to 60°C)	Shipping Dimensions (hwd / cm)	22.86 x 17.78 x 1.27
Fiber Cable Length 3M (9.8 ft) ENVIRONMENTAL Operating Temperature Range -4° to 140°F (-20° to 60°C) Storage Temperature Range -4° to 140°F (-20° to 60°C)	Shipping Weight (lbs.)	0.06
ENVIRONMENTAL Operating Temperature Range -4° to 140°F (-20° to 60°C) Storage Temperature Range -4° to 140°F (-20° to 60°C)	Shipping Weight (kg)	0.03
Operating Temperature Range -4° to 140°F (-20° to 60°C) Storage Temperature Range -4° to 140°F (-20° to 60°C)	Fiber Cable Length	3M (9.8 ft)
Storage Temperature Range -4° to 140°F (-20° to 60°C)	ENVIRONMENTAL	
	Operating Temperature Range	-4° to 140°F (-20° to 60°C)
Operating Humidity Range 5% to 85% RH, Non-Condensing	Storage Temperature Range	-4° to 140°F (-20° to 60°C)
	Operating Humidity Range	5% to 85% RH, Non-Condensing



Storage Humidity Range	35% to 65% RH, Non-Condensing	
COMMUNICATIONS		
Network Compatibility	1 Gbps (Gigabit); 10 Gbps; 25 Gbps	
Attenuation @ 850NM	3.0 dB/km	
Insertion Loss	0.20 dB	
CONNECTIONS		
CONNECTIONS		
Side A - Connector 1	LC DUPLEX (MALE)	
Side B - Connector 1	LC DUPLEX (MALE)	
Endface Polish	PC	
FEATURES & SPECIFICATIONS		
Push/Pull Tabs	No	
Breakout	No	
Trunk	No	
STANDARDS & COMPLIANCE		
Product Compliance	RoHS; REACH	
WARRANTY & SUPPORT		
Product Warranty Period (Worldwide)	Lifetime limited warranty	



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