LC/SC/FC/ST Fiber Optic Patch Cable

With LSZH OFNR Outer Jacket

Standard Fiber Patch Cables

Fiber optic patch cables are ideal for supporting high speed telecommunication network fiber applications. They are manufactured and tested in compliance with TIA 604 (FOCIS), IEC 61754 and YD/T industry standards. OM1, OM2, OM3, OM4, OM5 or OS2 fiber types are available to meet the demand of Gigabit Ethernet, 10 Gigabit Ethernet and high speed Fiber Channel. Every termination is through rigorous parameter test to ensure the highest network performance.

Standards Compliance

✓ RoHS, ISO 9001, CE, REACH, WEEE Compliant

✓ TIA 604 (FOCIS)

✓ TIA/EIA 492AAAE

✓ IEC 61754

✓ IEC 60793-2-10

✓ IEC 61300-3-35

✓ YD/T1272.1-2003

Key Features

✧ Good repeatability and interchangeability.

✧ LC/SC/ST/FC/ connectors with standard boots are available.

✧ LC connectors with12mm/18mm and SC connectors with 25mm short boots are.

✧ Flame-retardant, rugged and durable.

✧ OS2/OM5/OM4/OM3/OM2/OM1 are.

✧ Factory terminated and tested for insertion loss, return loss and end face.

9/125μm OS2 Singlemode LSZH Fiber Optic Patch Cable

AMPCOM offers an extensive line of 9/125μm OS2 single mode simplex/ duplex fiber optic patch cables with many choices of different length, jacket material, polish, and cable diameter. Those single mode OS2 fiber patch cables support long transmission distances with lower loss. They are manufactured using high-quality material and are strictly tested for insertion and return loss to ensure superior performance and quality, which provides an ideal fiber cabling solution with the extremely competitive price for users in data communication and telecommunication networks.

Features

• Low insertion loss.

• High back reflection loss.

• Stable capability and high reliability.

• Excellent mechanical capability.

• LSZH jacket as default.

• Ideal solution for high-speed data transmission.

• 100% inspected for optical characteristics before shipment.

Specification

Fiber Type	9/125μm Singlemode OS2	**Fiber Count**	Simplex / Duplex **(Optional)**
Connector Type	LC, SC, ST, FC **(Optional)**	**Polish**	UPC, PC, APC **(Optional)**
Cable Length	1m,2m,3m ... 50m or Customize	**Cable Diameter**	2.0 mm/ 3.0mm **(Optional)**
Tensile Strength	70 N	**Length Tolerance**	± 1cm
Insertion Loss	≤ 0.2dB	**Return Loss**	≥ 50dB
Repeatability	≤ 0.2dB	**Interchangeability**	≤ 0.2dB
Jacket Material	LSZH (OFNR Riser-Rated) **(Optional)**	**Jacket Color**	Yellow
Environment	Operating: -20°C to 70°C	**Compliance**	Telcordia GR-326-CORE
	Storage: -40°C to 85°C		RoHS Compliant
Application	Optical Fiber Communications System	**Application**	Premises Distribution
	Optical Fiber Access Networks		Local Area Networks (LAN)
	Optical Fiber CATV		Fiber-To-The-Home (FTTX)
	Optical Fiber Test Equipment		Device Terminations
	Optical Fiber Data Communication		

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62.5/125µm OM1 Multimode LSZH Fiber Optic Patch Cable

AMPCOM offers an extensive line of fiber optic patch cables with many choices of different length, jacket material, polish, and cable diameter. They are manufactured using high-quality material and are strictly tested for insertion and return loss to ensure superior performance and quality, which provide an ideal fiber cabling solutions with the extremely competitive price for users in data communication and telecommunication.

Features

• Low insertion loss.

• High back reflection loss.

• Stable capability and high reliability.

• Excellent mechanical capability.

• LSZH jacket as default.

• Ideal solution for high-speed data transmission.

• 100% inspected for optical characteristics before shipment.

Specification

Fiber Type	Multimode OM1 62.5/125µm	Fiber Count	Simplex / Duplex **(Optional)**
Connector Type	LC, SC, ST, FC	Polish	UPC, PC, APC **(Optional)**
Cable Length	1m,2m,3m ... 50m or Customize	Cable Diameter	2.0 mm/ 3.0mm **(Optional)**
Tensile Strength	70 N	Length Tolerance	± 1cm
Insertion Loss	≤0.3 dB	Return Loss	≥ 20dB
Repeatability	≤0.2 dB	Interchangeability	≤ 0.2dB
Jacket Material	LSZH (OFNR riser-rated)	Jacket Color	Orange
Environment	Operating: -20°C to 70°C	Compliance	Telcordia GR-326-CORE
	Storage: -40°C to 85°C		RoHS Compliant
Application	Optical Fiber Communications System	Application	Premises Distribution
	Optical Fiber Access Networks		Local Area Networks (LAN)
	Optical Fiber CATV		Fiber-To-The-Home (FTTX)
	Optical Fiber Test Equipment		Device Terminations
	Optical Fiber Data Communication		

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50/125μm OM2 Multimode LSZH Fiber Optic Patch Cable

AMPCOM offers an extensive line of fiber optic patch cables with many choices of different length, jacket material, polish, and cable diameter. They are manufactured using high-quality material and are strictly tested for insertion and return loss to ensure superior performance and quality, which provide an ideal fiber cabling solutions with the extremely competitive price for users in data communication and telecommunication.

Features

• Low insertion loss.

• High back reflection loss.

• Stable capability and high reliability.

• Excellent mechanical capability.

• LSZH jacket as default.

• Ideal solution for high-speed data transmission.

• 100% inspected for optical characteristics before shipment.

Specification

Fiber Type	Multimode OM2 50/125μm	Fiber Count	Simplex / Duplex **(Optional)**
Connector Type	LC, SC, ST, FC	Polish	UPC, PC, APC **(Optional)**
Cable Length	1m,2m,3m ... 50m or Customize	Cable Diameter	2.0 mm/ 3.0mm **(Optional)**
Tensile Strength	70 N	Length Tolerance	± 1cm
Insertion Loss	≤ 0.2dB	Return Loss	≥ 30dB
Repeatability	≤ 0.2dB	Interchangeability	≤ 0.2dB
Jacket Material	LSZH (OFNR Riser-Rated)	Jacket Color	Orange
Environment	Operating: -20°C to 70°C	Compliance	Telcordia GR-326-CORE
	Storage: -40°C to 85°C		RoHS Compliant
Application	Optical Fiber Communications System	Application	Premises Distribution
	Optical Fiber Access Networks		Local Area Networks (LAN)
	Optical Fiber CATV		Fiber-To-The-Home (FTTX)
	Optical Fiber Test Equipment		Device Terminations
	Optical Fiber Data Communication		

50/125μm 100G OM3-300 Multimode LSZH Fiber Optic Patch Cable

AMPCOM offers an extensive line of fiber optic patch cables with many choices of different length, jacket material, polish, and cable diameter. They are manufactured using high-quality material and are strictly tested for insertion and return loss to ensure superior performance and quality, which provide an ideal fiber cabling solutions with the extremely competitive price for users in data communication and telecommunication.

Features

• Low insertion loss.

• High back reflection loss.

• Stable capability and high reliability.

• Excellent mechanical capability.

• Designed for 10Gbase-SR and LRM applications.

• LSZH jacket as default.

• Ideal solution for high-speed data transmission.

• 100% inspected for optical characteristics before shipment.

Specification

Fiber Type	100G OM3-300 Multimode 50/125μm	Fiber Count	Simplex / Duplex **(Optional)**
Connector Type	LC, SC, ST, FC	Polish	UPC, PC, APC **(Optional)**
Cable Length	1m,2m,3m ... 50m or Customize	Cable Diameter	2.0 mm/ 3.0mm **(Optional)**
Tensile Strength	70 N	Length Tolerance	± 1cm
Insertion Loss	≤ 0.2dB	Return Loss	≥ 30dB
Repeatability	≤ 0.2dB	Interchangeability	≤ 0.2dB
Jacket Material	LSZH (OFNR Riser-Rated)	Jacket Color	Aqua
Environment	Operating: -20°C to 70°C	Compliance	Telcordia GR-326-CORE
	Storage: -40°C to 85°C		RoHS Compliant
Application	Optical Fiber Communications System	Application	Premises Distribution
	Optical Fiber Access Networks		Local Area Networks (LAN)
	Optical Fiber CATV		Fiber-To-The-Home (FTTX)
	Optical Fiber Test Equipment		Device Terminations
	Optical Fiber Data Communication		

50/125µm 400G OM4 Multimode LSZH Fiber Optic Patch Cable

AMPCOM offers an extensive line of fiber optic patch cables with many choices of different length, jacket material, polish, and cable diameter. They are manufactured using high-quality material and are strictly tested for insertion and return loss to ensure superior performance and quality, which provide an ideal fiber cabling solutions with the extremely competitive price for users in data communication and telecommunication.

Features

• Low insertion loss.

• High back reflection loss.

• Stable capability and high reliability.

• Provides an upgrade path from 10 Gbps to 40 Gbps and beyond.

• Backward compatible with legacy LAN's.

• Low-Smoke, Zero Halogen (LSZH) Aqua jacket.

• Ideal solution for high-speed data transmission.

• 100% inspected for optical characteristics before shipment.

Specification

Fiber Type	400G OM4 Multimode 50/125µm	**Fiber Count**	Simplex / Duplex **(Optional)**
Connector Type	LC, SC, ST, FC	**Polish**	UPC, PC, APC **(Optional)**
Cable Length	1m,2m,3m ... 50m or Customize	**Cable Diameter**	2.0 mm/ 3.0mm **(Optional)**
Tensile Strength	70 N	**Length Tolerance**	± 1cm
Insertion Loss	≤ 0.2dB	**Return Loss**	≥ 30dB
Repeatability	≤ 0.2dB	**Interchangeability**	≤ 0.2dB
Jacket Material	LSZH (OFNR riser-rated)	**Jacket Color**	Magenta
Environment	Operating: -20°C to 70°C	**Compliance**	Telcordia GR-326-CORE
	Storage: -40°C to 85°C		RoHS Compliant
Application	Optical Fiber Communications System	**Application**	Premises Distribution
	Optical Fiber Access Networks		Local Area Networks (LAN)
	Optical Fiber CATV		Fiber-To-The-Home (FTTX)
	Optical Fiber Test Equipment		Device Terminations
	Optical Fiber Data Communication		

50/125μm 800G OM5 Multimode LSZH Fiber Optic Patch Cable

As the amount of traffic in data centers grows, so does the need for next-generation devices and fiber cables to support higher bandwidths. This OM5 duplex multimode 50/125 fiber patch cable is a wideband multimode fiber (WBMMF) patch cable that supports Short Wavelength Division Multiplexing (SWDM) to transmit multiple signals (wavelengths) on one fiber, increasing the bandwidth of a single fiber by at least a factor of four. The multimode fiber patch cable provides cost-effective fiber solutions for increased bandwidth in 40/100Gb/400Gb/800Gb Ethernet applications.

The OM5 fiber cable meets ANSI/TIA-492AAAE and current IEEE 802.3ae requirements. It is completely backward-compatible with existing OM3 and OM4 50/125 fiber networks and applications, potentially making your fiber optic cable installation easier. The OM5 fiber patch cable is manufactured with high-quality wideband multimode fiber (WBMMF) fiber and ceramic connectors and is strictly tested for low insertion and return loss to ensure superior performance and quality. The cable jacket is LSZH (Low-Smoke, Zero-Halogen) flame retardant, to ensure minimal smoke, toxicity, and corrosion.

Features

• Low insertion loss.

• High back reflection loss.

• Rated OM5 to offer a wideband 50/125 multimode fiber solution.

• Provides an upgrade path from 40 Gbps to 100 Gbps and beyond.

• Backward compatible with OM3 and OM4 applications.

• Low-Smoke, Zero Halogen (LSZH) green jacket.

• The ideal solution for high-speed data transmission.

• 100% inspected for optical characteristics before shipment.

Specification

Fiber Type	800G OM5 Multimode 50/125μm	Fiber Count	Simplex / Duplex **(Optional)**
Connector Type	LC	Polish	UPC
Cable Length	1m,2m,3m ... 50m or Customize	Cable Diameter	2.0 mm/ 3.0mm **(Optional)**
Tensile Strength	70 N	Length Tolerance	± 1cm
Insertion Loss	≤ 0.2dB	Return Loss	≥ 30dB
Repeatability	≤ 0.2dB	Interchangeability	≤ 0.2dB
Jacket Material	LSZH (OFNR riser-rated)	Jacket Color	Lime Green
Environment	Operating: -20°C to 70°C	Compliance	Telcordia GR-326-CORE
	Storage: -40°C to 85°C		RoHS Compliant
Application	Optical Fiber Communications System	Application	Premises Distribution
	Optical Fiber Access Networks		Local Area Networks (LAN)
	Optical Fiber CATV		Fiber-To-The-Home (FTTX)

Optical Fiber Test Equipment		Device Terminations
Optical Fiber Data Communication		800G Data Center