OS2

Premium OS2 Singlemode Duplex 9/125 Fiber Optic Cables
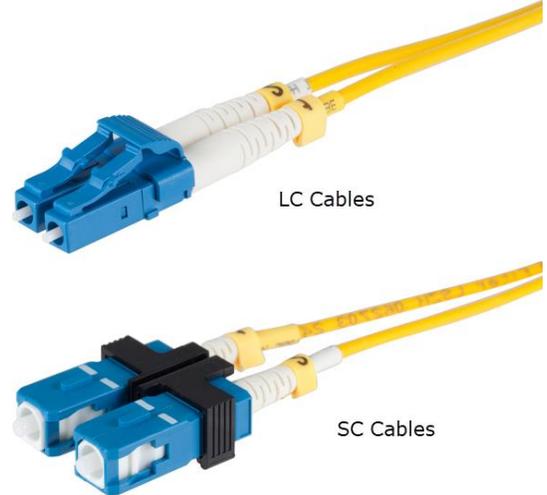
LC Cables

SC Cables

DESCRIPTION & FEATURES

Our premium OS2 Singlemode fiber cables are the perfect choice for speed, performance, and reliability when you are in need of a fiber run for outdoor and burial application use. These fiber patch cables are made with Corning® optical fiberglass and Suncall® connectors, which help provide superior quality and stability. The cables are bend insensitive and thinner than other basic OS2 fiber cables. With a 2.0mm outer diameter and a LSZH (Low Smoke Zero Halogen) jacket, an even safer alternative to only OFNR riser rated cables, these cables are designed to provide the highest protection for businesses, people, and equipment in case of being exposed to high sources of heat, flames, or corrosion. With the high durability, safety and performance you can trust these OS2 cables to deliver the efficiency and peace of mind that you need for your business.

Corning® Optical Fiberglass

All of our premium cables are made with Corning ultra-pure glass fibers which ensure the highest degree of strength and purity to give you low attenuation and low signal loss for your whole network. Corning leads the industry in product quality and innovation, and we have brought these strengths into our premium cables.

LSZH Jacket Material

The Low Smoke Zero Halogen (LSZH) jacket material provides you with the safest cabling environment by reducing the amount of toxic and corrosive gas that could be emitted when exposed to extreme heat or during combustion.

Bend Insensitive Fiber (BIMMF)

Our premium fiber cables were created with those challenging fiber runs and environments in mind. Bend insensitive fiber (BIF) will transmit light with minimal loss even with bending and twisting beyond the normal bend radius of basic fiber cables. The ring of refraction material around the glass reflects light that is lost back into the core.
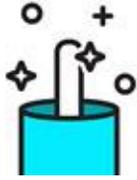
Ultra Physical Contact (UPC) Polish

With the Ultra Physical Contact Connectors, these fiber cables will give lower Optical Return Loss (ORL) and Back Reflection than standard PC connectors giving you more reliable signals for data, digital, and telephony applications.

Simple Polarity Reversible Function

These cables allow you to quickly reverse polarity while in the field without the use of any special tools to ensure the correct fiber mapping for optimal data transmission, with fewer cables, in your high-speed, high-density data center space.

2.0mm Unibody Cable

With a smaller fiber cable footprint, these cables will allow you to optimize your high-density data center environment for better airflow, cooling, and cable management.

Cable Boot Types

The premium OS2 fiber cables come in 3 boot/connector types - Standard, Uniboot, and Uniboot Push-Pull Tab, all with *LC to LC* and *LC to SC* connections.

1. Standard "Short" Boot:

The standard "short boot" and connectors on our premium fiber cables provide you with the normal fiber cable experience with a high quality, unibody connector with the ability to reverse polarity when needed.

2. High-Density Uniboot:

High-density uniboot / unibody fiber optic cables have two fibers carried through a single jacket with a lower profile boot, reducing the size and surface area of the cables when compared to standard fiber optic cables, but continuing to provide the reliable performance from industry standard connectors. Uniboot fiber cables reduce cable management requirements and allow for better airflow. The smaller "short boot" connector on our premium fiber cables makes it easy to reverse the polarity of the cables when needed.

3. High-Density Uniboot Push-Pull Tab:

High-density push-pull tab boots and connectors on these OM4 fiber optic cables have a special tab that will allow easy insertion and removal of the connector without the need to access the boot or connector. The slim, low profile uniboot design allows this high-density installation cabling to be used with minimal cable management and save space in your network setup. These fiber cables have the same type of short boot connector as the regular uniboot/unibody cables, but with the push-pull tab, still allowing you to reverse the polarity when needed.
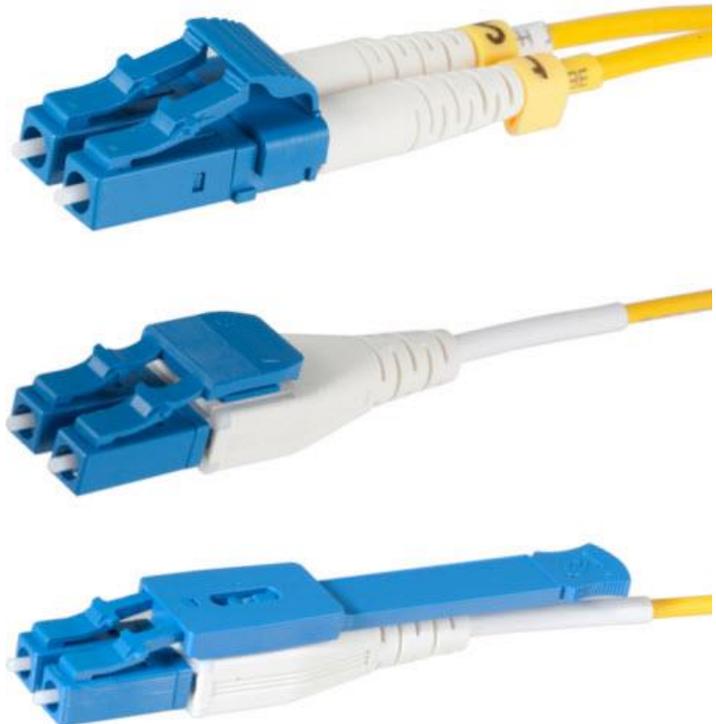
Connector Type	Standard, Uniboot, and Uniboot Push-Pull Tab
Connectors	LC & SC
Core / Cladding	9 / 125
Core Material	Corning Optic Fiber Glass
Optical Mode / Glass	OS2
Mode	Singlemode
Fiber Count	Duplex
Ferrules	LC – 1.25mm Ceramic / SC – 2.5mm Ceramic
Laser Optimized	Yes
Mode Conditioning	No
Bend Insensitive	Yes
Polish Type	Ultra Physical Contact (UPC)
Jacket Material	Low Smoke Zero Halogen (LSZH)
Jacket Color	Yellow
Jacket Thickness	2.0mm
Insertion Loss @ 1550nm	≤ 0.2dB
Return Loss @ 1550nm	≥ 55dB
Max Attenuation @ 1310nm	0.4dB
Max Attenuation @ 1550nm	0.3dB
Polarity	Reversible
Operating Temperature	-20° to 70°

RATINGS

Fire Rating	OFNR (Optical Fiber Nonconductive Riser)
Riser Rated	Yes
IEC	IEC 61754-20
Telcordia	GR-326-CORE Compliant
UL Listed	Yes, 94V-0
RoHS Compliant	Yes

MORE INFORMATION

For more information or to order, please visit www.cablesandkits.com or call 1-888-622-0223 to speak with one of our fiber cable experts.

CablesAndKits offers a wide variety of new, as well as refurbished, networking equipment, Cisco accessories, ethernet cabling, fiber optics, and racking solutions. As your *Partner in IT Procurement*, CablesAndKits consistently finds ways to provide more value and lower your IT acquisition costs. CablesAndKits offers a 100% satisfaction guarantee and a lifetime warranty on all purchases.