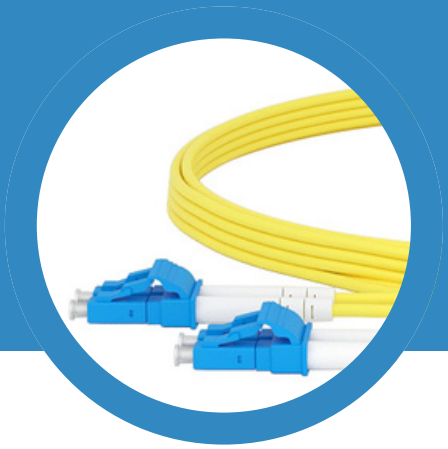
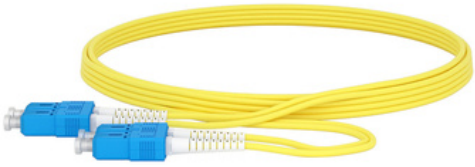
LG OPTIC

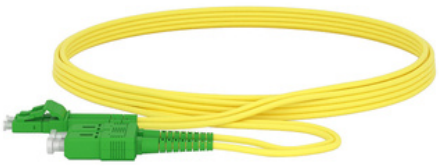


PATCHCORD DX OS2

GENERAL DESCRIPTION

Fiber optic single mode patch cords are suitable for data and telecommunication applications. Offerings include Simplex and Duplex configurations with variety of different connectors. Patch cords are 100% factory tested and compatible with industry standards EIA/TIA, Telcordia, IEC. These patchcords utilize duplex single-mode fiber, characterized by a core diameter of approximately 9 microns and a cladding diameter of 125 microns. This configuration is particularly well-suited for long-range communications, making it a popular choice for many advanced networking environments. Duplex single-mode fiber optic patchcords are ideal for applications that require high-speed data transmission over long distances. They can support data rates of 1 Gb/s, 10 Gb/s, 40 Gb/s, and even 100 Gb/s over distances that can extend up to 10 kilometers or more, depending on the specific requirements and network equipment used. This high performance makes them suitable for various high-bandwidth applications such as telecommunications, Ethernet, and fiber channel, as well as for connections that require bidirectional communication on separate fibers





FEATURES

- Single Mode OS2 G652D or G657A or G657B
- Simplex and Duplex Configuration
- High Precision ceramic ferrule with excellent concentricity
- 100% Inspection for optical properties and fiber end face finish
- LSZH Sheath
- PC or APC Connector

APPLICATION

- LAN, WAN and Metro Networks
- FTTH projects & FTTX Deployments
- CATV Systems
- GPON , EPON
- Fiber Optic Test Equipments
- Database Transmit Broadband Net

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LG OPTIC
FIBER FOR FUTURE

REV.1-2024

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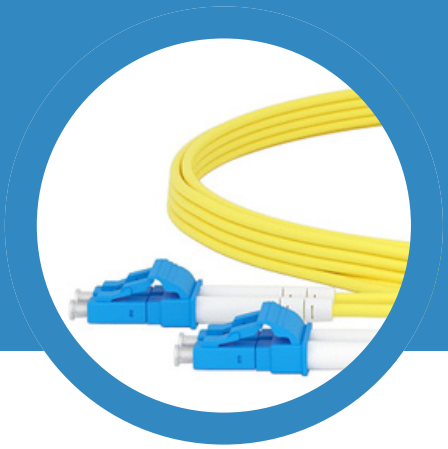

TECHNICAL INFO

Cable	Connector	SC, LC, FC, MTRJ and ST
	Fiber Type	SM 9/125 G652D or G657A or G657B
	Strength Member	Cable Diameter (mm)
	Jacket Colour	Yellow Blue White
	Jacket Thickness (mm)	0.45 +/- 0.05
	Cable Diameter (mm)	1.6/1.8/2.0/3.0 mm
Optical Specification	Insertion Loss	Typical: <0.2dB, Max. 0.3dB (MTRJ: Max. 0.5dB)
	Return Loss	UPC>50dB, APC>65dB
Mechanical Specification	Connector Ferrule	Ceramic, (MTRJ: PS- Polyphenylene Sulphide)
	Apex Offset	<50um
	Fiber Height	±100nm
	End-face Radius of Curvature	7mm < R < 25 mm (Excluding MTRJ)
	Repeatability	<0.2dB 1,000 times mating cycles

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