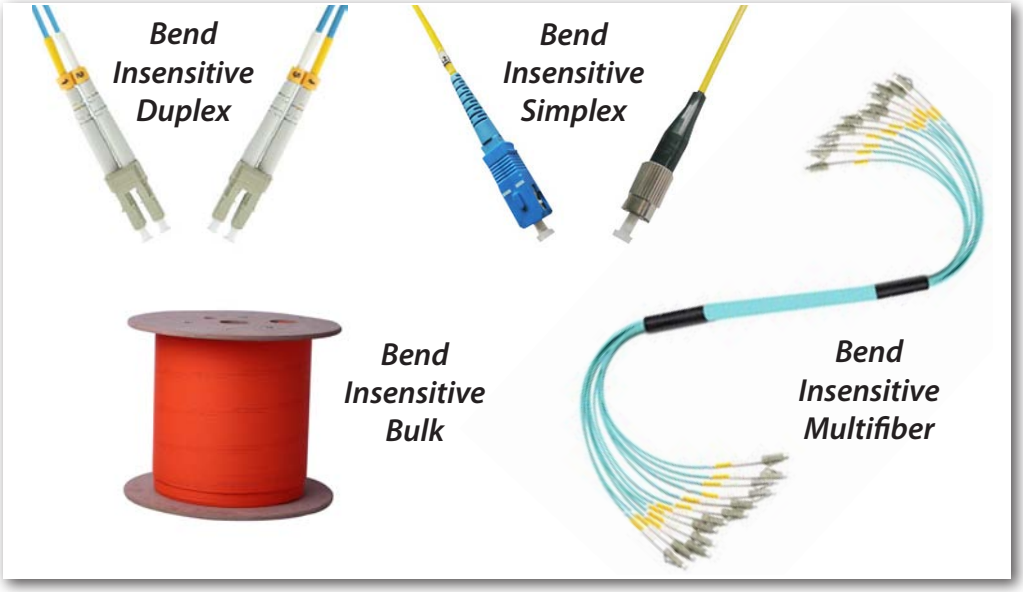
Optospan

BEND INSENSITIVE FIBER OPTIC CABLES

Mission Critical Networks

Enhanced Performance with Bend Optimized Fiber Optic Cables

Bend Insensitive Fiber Optic Cable



Innovative Core Design

Low Refractive Index (RI) glass layer reduces breaks in light dispersion upon twisting, bending, or pressure for longer lasting bandwith.

Maximum Flexibility

Manufacturered using Corning® ClearCurve fiber, providing superior bending performance without cable damage.

Application

Designed for tight spaces, sharp corners, or confined fiber distribution data centers where fiber optic cables would normally bend and break.

Fiber Modes

OM4 - 50/125 Laser Optimized 10G/100G (Aqua)

OM3 - 50/125 Laser Optimized 10G/100G (Aqua)

OM1 - 50/125 1G (Orange)

OS2 - 9/125 10G/100G (Yellow)

Fiber Count

- Simplex (1x)
- Duplex (2x)
- Breakout up to 144 Fiber

Regulatory Compliance

- US National Electric Code (NEC) Sec. 770
- UL 1581 and UL 1666
- UL 910(NFPA 262-1994) & GR-409
- JIS C5973 (SC), IEC 60874-14 and TIA/EIA-604-3A

Specifications

	Single Mode	Multimode
Core Diameter	9 ± 0.4 µm	50 ± 2.5 µm
Cladding Diameter	125 ± 1 µm	125 ± 1 µm
Attenuation	0.35dB/km@1310nm 0.20dB/km@1550nm	2.3dB/km@850nm 0.6dB/km@1300nm
Temperature	-20°C~+70°C	
	Simplex (1x)	**Duplex (2x)**
Net Weight (g/m)		8.2
Outer Diameter (mm)	3.0	3.0
	OM3 (850nm)	**OM4 (850nm)**
Bandwidth (MHz.km)	≥1500	≥3500

Macrobend Loss

	Mandrel Radius (mm)	Number of Turns	Wavelength (nm)	Induced Attenuation (dB)
Single Mode	10 10	1 1	1550 1625	≤0.5 ≤1.5
Multimode	15 7.5	2 2	850 1300	≤0.3 ≤0.5

Availability

Connectors (Any Combination)	LC, SC, FC, ST, MTRJ
Fiber (Yellow, Orange, Aqua, Erika Violet)	Multimode & Single-mode
Jacket/Coating	Riser (OFNR), Plenum (OFNP)
Stock Lengths (meters)	1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50, 100, 300, 500, 1000

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