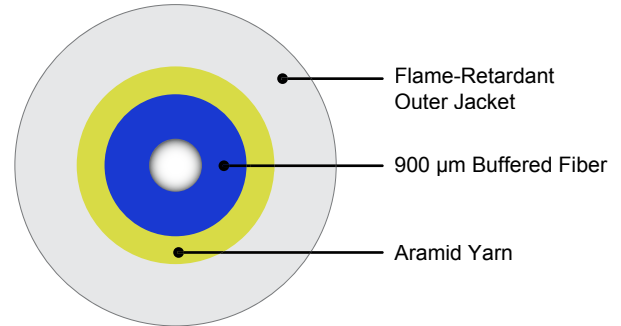


# EZ-Bend™ 4.8 Cable



A Furukawa Company

The **EZ-Bend™ 4.8 Cable**, available in indoor/outdoor, riser, plenum, and low-smoke zero-halogen constructions, **can be routed around corners and stapled** using traditional fast and easy copper wire installation practices, with negligible signal loss. Ideal for aggressive routing environments where space is at a premium, the EZ-Bend 4.8 Cable offers **reliable support for MDU and in-home wiring applications.**



*EZ-Bend 4.8 Optical Cable Cross-Section*

## Features:

- 4.8 diameter ruggedized simplex cordage
- Less than 0.1 dB macrobending attenuation at 1550 nm for 1 turn at 5 mm fiber bend radius
- Less than 0.3 dB macrobending attenuation at 1550 nm when subjected to MDU Simulation Test called out by Verizon TPR.9424 FOC Document
- Solid construction fiber with macrobending performance far better than ITU G.657B requirements
- Backward compatible with installed G.652D fibers
- Available in alternative colors upon request
- Conform to UL® Riser and Plenum fire ratings
- Compliant with Telcordia 409 & ICEA S-85-596 requirements
- UV and fungus resistant jacketing
- Dry water-blocked core to protect against water ingress
- Reinforced solid jacket construction naturally limits cable bending to control macrobending attenuation and protect fiber reliability
- Featuring EZ-Bend Optical Technology, a breakthrough developed by OFS Labs

## Benefits:

- **“Copper-like” installation process:** Can be routed around corners using familiar copper wire practices, and stapled
- **Faster, easier installation:** no extra steps to install bend limiters, conduits, or raceways
- **Compact installation and storage:** Conforms to building; slack fits in small storage spaces
- **Fast, easy, low loss splicing** to G.652D fiber with existing core and clad aligned splice equipment
- **Familiar, standard connector termination:** Solid fiber construction can be terminated using standard optical connectors and polishing techniques
- **Familiar connector endface cleaning** using same process as with existing G.652 solid construction fiber
- **MDU and in-home optimized:** Ideal for in-residence wiring and difficult installation routes in MDU overbuilds
- **Greener Solution:** Free of heavy metals and RoHS-compliant; solution uses less total materials and energy than copper solutions

## Performance

<i>Flame Performance</i>	<i>Mechanical and Environmental Performance</i>	<i>Temperature Range</i>
Riser: UL 1666 compliant	Telcordia GR-409, ICEA S-85-596 compliant	Installation: 32° F to 104° F (0° C to 40° C)
Plenum: NFPA 262 (UL 910) compliant		Operation: -40° F to 158° F (-40° C to 70° C)
Non-Halogen: IEC 60332-3c and IEC 61034-2 compliant		Storage: -40° F to 158° F (-40° C to 70° C)
<i>Attenuation @</i>	<i>1310 nm</i>	<i>1550 nm</i>
Maximum Attenuation	0.4 dB/km	0.3 dB/km
Typical Attenuation	0.35 dB/km	0.25 dB/km

## Specifications

<i>Cable Type</i>	<i>Jacket Color *</i>	<i>Part Number</i>	<i>Maximum Tensile Rating N (lb)</i>	<i>Nominal Weight kg/km (lb/100 ft)</i>	<i>Standard REELEX Box Length †</i>
Riser	White	LG4.8C-001A-DRW	440 N (100 lb)	21.5 kg/km (1.44 lb/100 ft)	457.2 m (1500 ft)
Plenum	White	LG4.8C-001A-DPW	440 N (100 lb)	26.1 kg/km (1.75 lb/100 ft)	457.2 m (1500 ft)
Low-Smoke Zero Halogen	White	LG4.8C-001A-DHW	440 N (100 lb)	23.3 kg/km (1.57 lb/100 ft)	500 m (1640.4 ft)
Indoor/Outdoor Riser	Black	IO4.8C-001A-DRK	440 N (100 lb)	23.3 kg/km (1.57 lb/100 ft)	457.2 m (1500 ft)

\* Other colors available upon customer request.

† Alternative lengths available on standard premise spools. Contact OFS for more details.

### **Example of Standard Sheath Marking [Custom sheath marking available upon request]**

White-Jacketed Riser-Rated Ruggedized Drop Cable with EZ-Bend Technology:

**OFS EZ BEND ULTRA BEND INSENSITIVE OPTICAL DROP CABLE -C- LG4.8C-001A-DRW C(UL) US TYPE OFNR [CSA OFN FT4] {lot number} ~nnnnn FEET**



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[www.ofsoptics.com](http://www.ofsoptics.com) - Use less paper

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UL is a registered trademark of Underwriters Laboratories Inc.

For additional information please contact your sales representative. You can also visit our website at [www.ofsoptics.com](http://www.ofsoptics.com) or call 1-888-fiberhelp (1-888-342-3743) from inside the USA or 1-770-798-5555 from outside the USA.

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