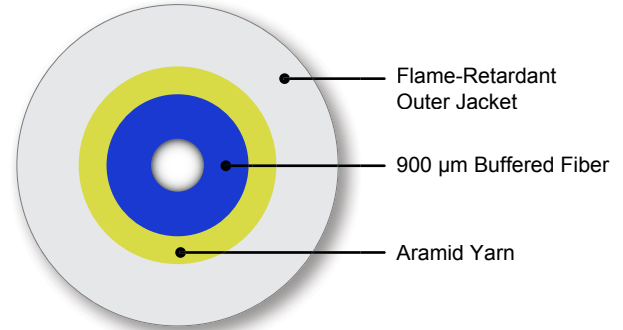


EZ-Bend® 4.8 Cable



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-83-596 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

Flame Performance	Mechanical and Environmental Performance	Temperature Range
Riser: UL 1666 compliant	Telcordia GR-409, ICEA S-83-596 compliant	Installation: 32° F to 104° F (0° C to 40° C) Operation: -40° F to 158° F (-40° C to 70° C) Storage: -40° F to 158° F (-40° C to 70° C)
Plenum: NFPA 262 (UL 910) compliant		
Non-Halogen: IEC 60332-3c and IEC 61034-2 compliant		
Attenuation @	1310 nm	1550 nm
Maximum Attenuation	0.4 dB/km	0.3 dB/km
Typical Attenuation	0.35 dB/km	0.25 dB/km

Specifications

Cable Type	Jacket Color *	Part Number	Maximum Tensile Rating N (lb)	Nominal Weight kg/km (lb/100 ft)	Standard REELEX Box Length †
Riser	White	LG4.8C-001C-DRW	440 N (100 lb)	21.5 kg/km (1.44 lb/100 ft)	457.2 m (1500 ft)
Plenum	White	LG4.8C-001C-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-001D-DHW	440 N (100 lb)	23.3 kg/km (1.57 lb/100 ft)	457.2 m (1500 ft)
Indoor/Outdoor Riser	Black	IO4.8C-001C-DRK	440 N (100 lb)	23.3 kg/km (1.57 lb/100 ft)	457.2 m (1500 ft)
Low-Smoke Zero Halogen Indoor/Outdoor	Black	IO4.8C-001D-DHK	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 CABLE -C- LG4.8C-001C-DRW C(UL) US TYPE OFNR [CSA OFN FT4] {lot number} ~nnnnn FEET



*Aggressive stapling:
19 mm bend radius for fiber
(minimal bending)*



*90-degree bend, stapled 3/4" from
corner: 5 lb tension, 5.5 mm fiber
bend radius*

X-Ray of bent and stapled EZ-Bend 4.8 Optical Cable



Use electronic files, available at:
www.ofsoptics.com - Use less paper

EZ-Bend is a registered trademark of OFS FITEL, LLC.
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 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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