



A Furukawa Company

EZ-Bend® Multifiber Drop Bundle

Supporting Multiple Dwelling Unit (MDU) and In-Home Wiring Applications

Features

- Available in 3.0 and 4.8 diameter cordages, as indoor/outdoor, riser, plenum, or low-smoke, zero-halogen constructions
- Less than 0.1 dB macrobending attenuation at 1550 nm for 1 turn at 2.5 mm fiber bend radius
- Solid construction fiber with macrobending performance far better than ITU G.657.B3 requirements
- Backward compatible with installed G.652.D fibers
- Available as single or double ended SCA terminated cables with 0.25 dB insertion loss and -55 dB return loss

Benefits

- **Staple friendly:** Ruggedized cords designed to allow common stapling methods
- **MDU and In-Home Optimized:** Ideal for in-residence wiring and difficult installation routes in MDU overbuilds
- **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.652.D fiber with existing core and clad aligned splice equipment



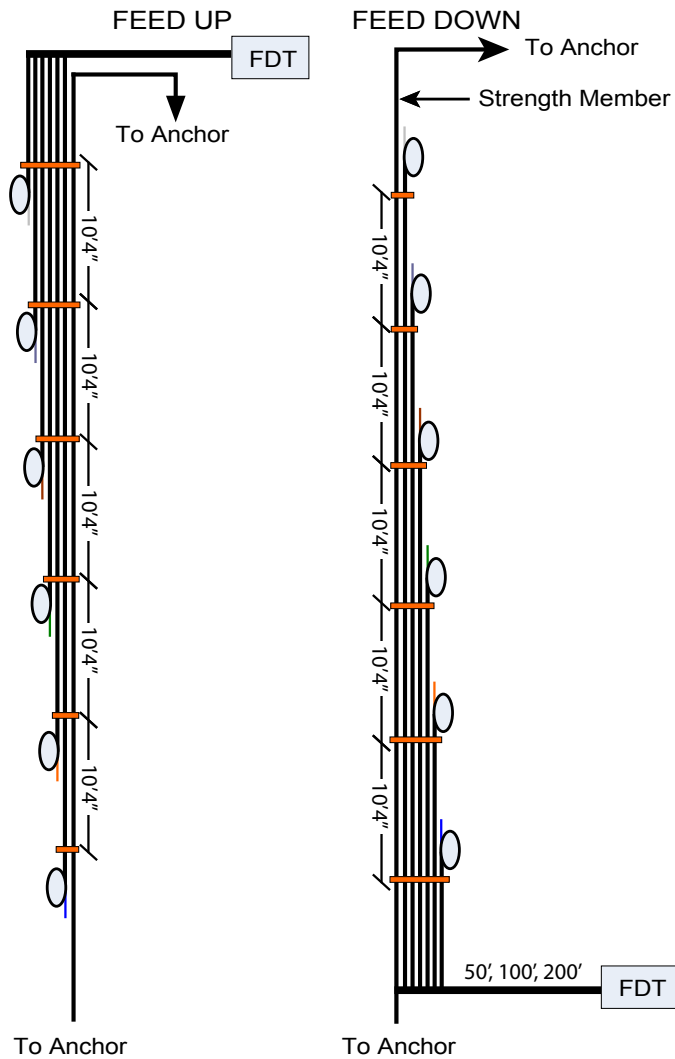
Product Description

The EZ-Bend Multifiber Drop Bundle provides the same high performance that the single fiber EZ-Bend Assemblies provide but has the added benefit of saving time in installation by pulling 5, 6 or 12 assemblies at one time. The OFS Outside Plant EZ-Bend Multifiber Drop Bundles feature the ruggedized 4.8 mm Indoor/Outdoor cable with EZ-Bend Ultra-Bend Insensitive Fiber. Drop cables are placed on the outside of the building so that the coils are located at each of the windows of the living unit where the individual end will enter the living unit. The un-connectorized end of the bundle is spliced at the Fiber Distribution Terminal (FDT) which is located at either ground level or on top of the building. The connectorized end is later placed through the window seal to connect with the Optical Network Terminal (ONT) inside the living unit.

There are two basic types of bundle feeds, Feed-Down and Feed-Up, as depicted on the following page.



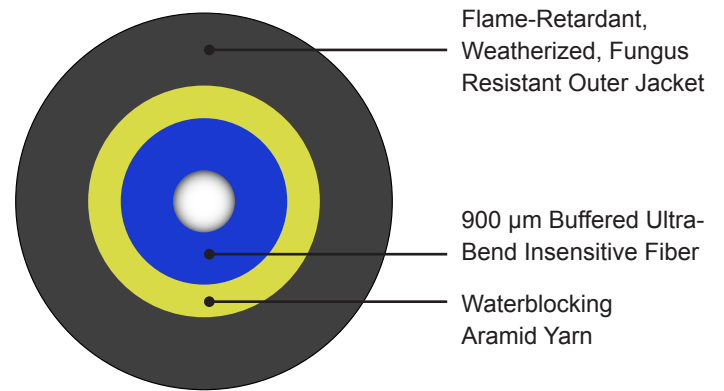
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Feed-Up and Feed-Down Drop Methods

EZ-Bend® 4.8 Indoor/Outdoor Cable

The EZ-Bend 4.8 Indoor/Outdoor Cable, available as riser 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 a high performance construction for the high performance Ultra-Bend Insensitive EZ-Bend Fiber.



EZ-Bend 4.8 Optical Cable Cross-Section

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Standards Compliance

The EZ-Bend fiber, cables, and assemblies have been tested and approved to meet or exceed the requirements of the following standards:

EZ-Bend Fiber

- Far exceeds requirements of ITU-T G.657.B3 and fully compatible with G.652.D and G.657.A fibers

EZ-Bend Cable

- Exceeds requirements for Telcordia GR-409

EZ-Bend Assemblies

- Exceeds requirements for ICEA-S-115-730 MDU Test

SCA Connector Performance

- **Insertion Loss:** 0.5 dB
- **Return Loss:** -65 dB
- **Temperature Range:** -40 °F to 185 °F (-40 °C to 85 °C)

CABLE PERFORMANCE	
FLAME PERFORMANCE	
Riser	UL 1666 compliant
Plenum	NFPA 262 (UL 910) compliant
Non-Halogen	IEC 60332-3C and IEC 61034-2 compliant
MECHANICAL AND ENVIRONMENTAL PERFORMANCE	
Telcordia GR-409, ICEA S-83-596 compliant	
TEMPERATURE RANGE	
Installation	0 °C to 40 °C (32 °F to 104 °F)
Operation	-40 °C to 70 °C (-40 °F to 158 °F)
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
MAXIMUM TENSILE RATING	
440 N (100 lb)	
ATTENUATION	
@ 1310 nm	Typical: 0.35 dB/km; Maximum: 0.4 dB/km
@ 1550 nm	Typical: 0.25 dB/km; Maximum: 0.3 dB/km

CABLE SPECIFICATIONS			
Cable Type	Jacket Color*	Part Number	Nominal Weight kg/km (lb/ 100 ft)
Indoor/Outdoor Riser	Black	IO48-001D-DRK-4-WPVC	23.3 kg/km (1.57 lb/100 ft)
Low-Smoke, Zero-Halogen Indoor/Outdoor	Black	IO48-001E-DDK-4-UVB	23.3 kg/km (1.57 lb/100 ft)

* **NOTE:** Other colors available upon customer request.

Example of Standard Sheath Marking (Custom sheath marking available upon request)

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

OFS EZ-BEND® ULTRA BEND INSENSITIVE OPTICAL DROP CABLE -C- LG4.8C-001C-DRK C (UL) US TYPE 0FNR
[CSA 0FN FT4] {LOT NUMBER} ~nnnnn FEET



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The EZ-Bend products are available as 5, 6 and 12 fiber bundles of single ended connectorized assemblies with SC APC connectors.

ORDERING INFORMATION	
Part Number	Description
EZ-BEND I/O BUNDLED DROP CABLE BLACK	
301016754	Drop Bundle 6 Up Blk 4.8 EZ-Bend I/O 50 ft
301016762	Drop Bundle 6 Up Blk 4.8 EZ-Bend I/O 100 ft
301016770	Drop Bundle 6 Up Blk 4.8 EZ-Bend I/O 150 ft
301016788	Drop Bundle 6 Up Blk 4.8 EZ-Bend I/O 200 ft
301016796	Drop Bundle 6 Down Blk 4.8 EZ-Bend I/O 50 ft
301016804	Drop Bundle 6 Down Blk 4.8 EZ-Bend I/O 100 ft
301016812	Drop Bundle 6 Down Blk 4.8 EZ-Bend I/O 150 ft
301016820	Drop Bundle 6 Down Blk 4.8 EZ-Bend I/O 200 ft
301016838	Drop Bundle 5 Up 4.8 Blk EZ-Bend I/O 50 ft
301016846	Drop Bundle 5 Up 4.8 Blk EZ-Bend I/O 100 ft
301016853	Drop Bundle 5 Up 4.8 Blk EZ-Bend I/O 150 ft
301016861	Drop Bundle 5 Up 4.8 Blk EZ-Bend I/O 200 ft
301016879	Drop Bundle 5 Down 4.8 Blk EZ-Bend I/O 50 ft
301016887	Drop Bundle 5 Down 4.8 Blk EZ-Bend I/O 100 ft
301016895	Drop Bundle 5 Down 4.8 Blk EZ-Bend I/O 150 ft
301016903	Drop Bundle 5 Down 4.8 Blk EZ-Bend I/O 200 ft
301030151	Drop Bundle 12 Up 4.8 Blk EZ-Bend I/O 50 ft
301030169	Drop Bundle 12 Up 4.8 Blk EZ-Bend I/O 100 ft
301030177	Drop Bundle 12 Up 4.8 Blk EZ-Bend I/O 150 ft
301030185	Drop Bundle 12 Up 4.8 Blk EZ-Bend I/O 200 ft
301030193	Drop Bundle 12 Down 4.8 Blk EZ-Bend I/O 50 ft
301030201	Drop Bundle 12 Down 4.8 Blk EZ-Bend I/O 100 ft
301030219	Drop Bundle 12 Down 4.8 Blk EZ-Bend I/O 150 ft
301030227	Drop Bundle 12 Down 4.8 Blk EZ-Bend I/O 200 ft
EZ-BEND I/O BUNDLED DROP CABLE ACCESSORIES	
301017034	SCA Grip Field Kit

ORDERING INFORMATION	
Part Number	Description
EZ-BEND I/O BUNDLED DROP CABLE NEUTRAL	
301029450	Drop Bundle 6 Up Neut 4.8 EZ-Bend I/O 50 ft
301029468	Drop Bundle 6 Up Neut 4.8 EZ-Bend I/O 100 ft
301029476	Drop Bundle 6 Up Neut 4.8 EZ-Bend I/O 150 ft
301029484	Drop Bundle 6 Up Neut 4.8 EZ-Bend I/O 200 ft
301029492	Drop Bundle 6 Down Neut 4.8 EZ-Bend I/O 50 ft
301029500	Drop Bundle 6 Down Neut 4.8 EZ-Bend I/O 100 ft
301029518	Drop Bundle 6 Down Neut 4.8 EZ-Bend I/O 150 ft
301029526	Drop Bundle 6 Down Neut 4.8 EZ-Bend I/O 200 ft
301029534	Drop Bundle 5 Up 4.8 Neut EZ-Bend I/O 50 ft
301029542	Drop Bundle 5 Up 4.8 Neut EZ-Bend I/O 100 ft
301029559	Drop Bundle 5 Up 4.8 Neut EZ-Bend I/O 150 ft
301029567	Drop Bundle 5 Up 4.8 Neut EZ-Bend I/O 200 ft
301029575	Drop Bundle 5 Down 4.8 Neut EZ-Bend I/O 50 ft
301029583	Drop Bundle 5 Down 4.8 Neut EZ-Bend I/O 100 ft
301029591	Drop Bundle 5 Down 4.8 Neut EZ-Bend I/O 150 ft
301029609	Drop Bundle 5 Down 4.8 Neut EZ-Bend I/O 200 ft
301030391	Drop Bundle 12 Up 4.8 Neut EZ-Bend I/O 50 ft
301030409	Drop Bundle 12 Up 4.8 Neut EZ-Bend I/O 100 ft
301030417	Drop Bundle 12 Up 4.8 Neut EZ-Bend I/O 150 ft
301030425	Drop Bundle 12 Up 4.8 Neut EZ-Bend I/O 200 ft
301030433	Drop Bundle 12 Down 4.8 Neut EZ-Bend I/O 50 ft
301030441	Drop Bundle 12 Down 4.8 Neut EZ-Bend I/O 100 ft
301030458	Drop Bundle 12 Down 4.8 Neut EZ-Bend I/O 150 ft
301030466	Drop Bundle 12 Down 4.8 Neut EZ-Bend I/O 200 ft

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) USA or 1-770-798-5555 outside the USA.



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