

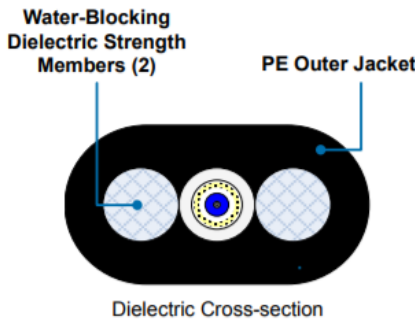


## Mini-TB Flat-Drop Assemblies

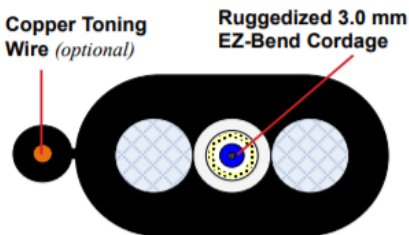
Reduce Installation Time with Factory-Tuned Performance



Mini-TB  
Flat Drop Assembly



Dielectric Cross-section



Toneable Cross-section

### Key Features

- EZ-Bend® optical fiber inside a ruggedized 3.0 mm Indoor/Outdoor jacket
- Aramid strength members enabling 90 lbf maximum long term load
- Factory terminated optical connectors
- Factory tested optical performance with low loss and low reflection performance (<0.5 dB insertion loss and high return loss >65 dB with SC-APC connectors)
- Industry standard connectors
- EZ-Bend Optical Fiber
- AllWave® FLEX+ Optical Fiber
- Integrated copper toning wire (optional)
- Precision manufactured with high quality manufacturing processes
- RoHS compliant

### Benefits

- Bends down to a 2.5 mm radius making routing easier inside the premise; compact slack management reduces cost and large loops
- Facilitates pulling through duct and stapling around sharp corners while protecting fiber reliability
- Plug and play results in faster, lower skill installation saving time and cost compared to field terminated options
- Greater service reliability compared to field terminated solutions
- Compatible and interoperable with industry standard terminals compared to hardened fiber optic connectors
- Bends down to 2.5 mm radius; may be stapled and bent around sharp corners and allows faster easier routing inside the premise to an indoor ONT
- Bends down to a 7.5 mm radius for compact installation without bend induced service disruption
- Easy to locate underground using conventional equipment to prevent impact from/to other underground utilities; copper wire can be easily peeled away to route the cabling inside or access the toning wire for testing
- Consistent high quality performance
- Meets environmental standards

### Product Description

OFS' Mini-TB (Tight Buffer) Drop Assemblies are used in FTTx applications between a Network Interface Device (NID) and a closure or pedestal. They consist of a flat outer sheath compatible with existing low cost aerial hardware, made robust with 2 solid strength members surrounding a 3 mm cord containing OFS' bend optimized single-mode optical fiber and optical connectors on one or both ends. The assemblies are delivered with the flat sheath and strength members removed at the ends, allowing for easy bending and storage of the 3 mm cordage.

The Mini-TB Drop Assemblies are factory terminated and tested for fast, reliable plug and play installation. The Mini-TB Drop Assemblies are part of OFS' FTTx Solution Home and Business.

Visit us at [www.ofsoptics.com](http://www.ofsoptics.com)



## Mini-TB Flat-Drop Assemblies

### Mini TB Flat-Drop Assembly Specifications

<b>Fiber Count</b>	1
<b>Cable Dimensions</b>	0.17 in. x 0.32 in. (4.5 mm x 8.2 mm)
<b>Cable Weight</b>	29 lb/kfg (44 kg/km)
<b>Performance Standard</b>	
Tested per Applicable Requirements of ANSI/ICEA S-110-717	
<b>Handling</b>	
<b>Minimum Bend Radius, with Load</b>	6 in. (15 cm)
<b>Minimum Bend Radius, with No Load</b>	3 in. (7.5 cm)
<b>Minimum Bend Radius, Storage Coils</b>	6 in. (15 cm)
<b>Maximum Rated Cable Load (MRCL)</b>	300 lbf (1335 N)
<b>Maximum Long Term Load</b>	90 lbf (405 N)
<b>Temperature</b>	<b>Installation:</b> -14 °F to 140 °F (-10 °C to 60 °C)
	<b>Operation:</b> -40 °F to 158 °F (-40 °C to 70 °C)
	<b>Storage:</b> -40 °F to 158 °F (-40 °C to 70 °C)

### Aerial Span Information

Storm Loading Region	1% Installation Sag		3% Installation Sag	
	Max Span	Installation Tension	Max Span	Installation Tension
<b>Heavy</b>	150 ft. (45 m)	58 lb. (26 kg)	175 ft. (53 m)	23 lb. (10 kg)
<b>Medium</b>	275 ft. (84 m)	107 lb. (49 kg)	375 ft. (114 m)	48 lb. (22 kg)
<b>Light</b>	375 ft. (114 m)	145 lb. (66 kg)	550 ft. (168 m)	71 lb. (32 kg)



### Connectorization Performance

Connector	Insertion Loss Max. Standard Deviation	Return Loss Max	Temperature Range
<b>Single-Mode</b>			
<b>LCU</b>	0.25/0.3 dB	-50 dB	-40 to 85
<b>LCA</b>	0.5/0.3 dB	-65 dB	-40 to 85
<b>SCU</b>	0.3/0.3 dB	-50 dB	-40 to 85
<b>SCA</b>	0.5/0.3 dB	-65 dB	-40 to 85

### Ordering Information

LPCa-b-bbbccc-eeee-fff-nnnng-hhh/hhh

<b>a =</b>	<b>Design Type</b> 2 = Preconnectorized Cable with non-standard breakouts
<b>b =</b>	<b>Fiber Type</b> W = AllWave® FLEX+ Optical Fiber (G.657.A2) D = EZ-Bend Optical Fiber (G.657.B3)
<b>ccc =</b>	<b>Connector Type (Inside)</b>
<b>ddd =</b>	<b>Connector Type (Outside)</b> SCA = SC Angle Polish SCU = SC Ultra Polish SAS = SC Angle Polish, Short Boot UNC = No Connector
<b>eeee =</b>	<b>Cable Type</b> 8V7T = Central Core (8), Ruggedized 3 mm (V), Flat Drop (7), Toneable (T) 8V7X = Central Core (8), Ruggedized 3 mm (V), Flat Drop (7), Dielectric (X)
<b>fff =</b>	<b>Fiber Count</b> 001
<b>nnnn =</b>	<b>Length</b>
<b>g =</b>	<b>Unit of Measure</b> F = Feet M = Meters
<b>hhh =</b>	<b>Breakout Length</b> 009, 015, 024, 025 = Length (in.) XXX = No connector on end



## Mini-TB Flat-Drop Assemblies

Ordering Information by Comcode/Material Description		
Comcode	Material Description	Long Description
301181533	LPC2-D-SCASCA-8V7X-001-050F-024/024PG	miniTB flat drop assembly, EZBEND G657B3, SCA to SCA, 24 inch breakout, pulling grip, 50 feet
301181574	LPC2-D-SCASCA-8V7X-001-100F-024/024PG	miniTB flat drop assembly, EZBEND G657B3, SCA to SCA, 24 inch breakout, pulling grip, 100 feet
301181582	LPC2-D-SCASCA-8V7X-001-150F-024/024PG	miniTB flat drop assembly, EZBEND G657B3, SCA to SCA, 24 inch breakout, pulling grip, 150 feet
301181590	LPC2-D-SCASCA-8V7X-001-200F-024/024PG	miniTB flat drop assembly, EZBEND G657B3, SCA to SCA, 24 inch breakout, pulling grip, 200 feet
301181608	LPC2-D-SCASCA-8V7X-001-250F-024/024PG	miniTB flat drop assembly, EZBEND G657B3, SCA to SCA, 24 inch breakout, pulling grip, 250 feet
301181616	LPC2-D-SCASCA-8V7X-001-300F-024/024PG	miniTB flat drop assembly, EZBEND G657B3, SCA to SCA, 24 inch breakout, pulling grip, 300 feet
301181624	LPC2-D-SCASCA-8V7X-001-400F-024/024PG	miniTB flat drop assembly, EZBEND G657B3, SCA to SCA, 24 inch breakout, pulling grip, 400 feet
301181632	LPC2-D-SCASCA-8V7X-001-500F-024/024PG	miniTB flat drop assembly, EZBEND G657B3, SCA to SCA, 24 inch breakout, pulling grip, 500 feet
301181640	LPC2-D-SCASCA-8V7X-001-600F-024/024PG	miniTB flat drop assembly, EZBEND G657B3, SCA to SCA, 24 inch breakout, pulling grip, 600 feet
301181657	LPC2-D-SCASCA-8V7X-001-700F-024/024PG	miniTB flat drop assembly, EZBEND G657B3, SCA to SCA, 24 inch breakout, pulling grip, 700 feet

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



**FURUKAWA**  
SOLUTIONS

Copyright © 2023 OFS Fitel, LLC.  
All rights reserved, printed in USA.

OFS Marketing Communications  
DOC ID: fap-281 Date: 8/23

For a full list of  
our certifications,  
visit our website.



AllWave and EZ-Bend are registered trademarks of OFS Fitel, LLC.  
OFS reserves the right to make changes to the prices and product(s) described in this document at any time without notice. This document is for informational purposes only and is not intended to modify or supplement any OFS warranties or specifications relating to any of its products or services.