



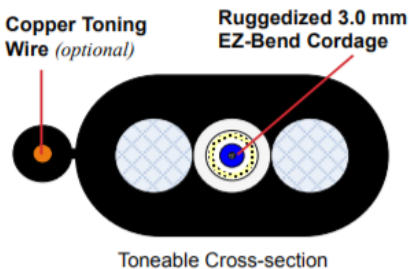
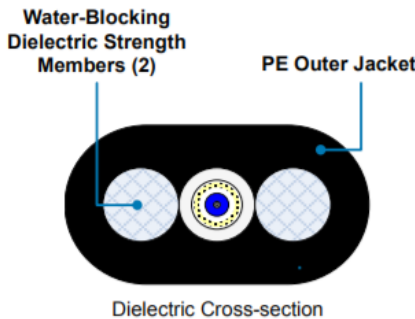
A Furukawa Company

Mini-TB Flat-Drop Assemblies

Reduce Installation Time with Factory-Tuned Performance



Mini-TB Flat Drop Assembly



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
- AllWave® FLEX+ Optical Fiber (standard)
- EZ-Bend Optical Fiber (optional)
- 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 a 7.5 mm radius for compact installation without bend induced service disruption
- 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
- 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



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Mini-TB Flat-Drop Assemblies

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

Aerial Span Information				
	1% Installation Sag		3% Installation Sag	
Storm Loading Region	Max Span	Installation Tension	Max Span	Installation Tension
Heavy	150 ft. (45 m)	58 lb. (26 kg)	175 ft. (53 m)	23 lb. (10 kg)
Medium	275 ft. (84 m)	107 lb. (49 kg)	375 ft. (114 m)	48 lb. (22 kg)
Light	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
Single-Mode			
LCU	0.25/0.3 dB	-50 dB	-40 to 85
LCA	0.5/0.3 dB	-65 dB	-40 to 85
SCU	0.3/0.3 dB	-50 dB	-40 to 85
SCA	0.5/0.3 dB	-65 dB	-40 to 85

Ordering Information	
LPCa-b-bbbccc-eeee-fff-nnnng-hhh/hhh	
a =	Design Type 2 = Preconnectorized Cable with non-standard breakouts
b =	Fiber Type W = AllWave® FLEX+ Optical Fiber (G.657.A2) D = EZ-Bend Optical Fiber (G.657.B3)
ccc =	Connector Type (Inside)
ddd =	Connector Type (Outside) SCA = SC Angle Polish SCU = SC Ultra Polish SAS = SC Angle Polish, Short Boot UNC = No Connector
eeee =	Cable Type 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)
fff =	Fiber Count 001
nnnn =	Length
g =	Unit of Measure F = Feet M = Meters
hhh =	Breakout Length 009, 015, 024, 025 = Length (in.) XXX = No connector on end

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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OFS Marketing Communications
Doc ID: fap-281 Date: 12/17



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