



A Furukawa Company

## SlimBox™ Drop System

A FOX Solution® Component Set



*SlimBox Drop Terminal*

### Features

- Plug and Play subscriber connections with factory connectorized drop assemblies.
- Standard SC-APC Connectors
- One terminal part number supports up to 16 drop connections with Factory Terminated or Field Installed Mechanical Connectors, or fusion splicing.
- OFS AllWave® FLEX+ Fiber standard in all drop, pigtail, and tether assemblies.
- Variety of OFS drop cables supported
- EZ-Bend 4.8 mm indoor/outdoor drop cable assemblies
- Mid-span splicing into distribution cable.
- 1 x 16 or two 1 x 8 splitters available factory or field installable in terminal.
- Labelling on inside of door

### Benefits

- Fast subscriber connections without need for fusion splice equipment.
- Non-proprietary connector system. Easy to clean with standard cleaning kits. No O-ring seals to fail. Simple push on installation.
- Reduced Inventory. Fast and easy craft learning process working with one vs. multiple terminals.
- Low bending loss for improved system performance and/or increased safety margins.
- Supports variety of drop installation needs.
- Sharp unmanaged bends with negligible loss for fast installations where space is at a premium. May eliminate outdoor transition box and connection by placing cable into residence and connecting directly to indoor ONT.
- Avoids need for additional splice closure required by proprietary hardened connector systems.
- Low cost - PON splitter and drop cable connection functionality from a single terminal.
- Easy subscriber identification helping to enable accurate moves, adds, and changes.

## Product Description

The OFS FOX Solution® SlimBox™ Drop System provides a versatile solution from a single platform for making the FTTH connection to MDU (Multifamily Dwelling Unit) or SFU (Single Family Unit) subscribers. The SlimBox Drop Terminal can support up to 16 FOX Solution Drop Cable Assemblies enabling speedy plug and play connections to customers – with standard non-proprietary connectors all sealed inside a single enclosure. A variety of compatible FOX Solution Drop Cable Assemblies are available – including EZ-Bend® 4.8 mm assemblies enabling sharp unmanaged bends for even fast installations where space is at a premium. The terminal can alternatively be configured for fusion splicing or OFS field installable mechanical connectors. It may also be provided with either two 1X8 splitters or a single 1X16 splitter to support distributed or cascaded passive optical networks in addition to functioning as a drop terminal.

Connection to distribution cables can be either through a factory installed tether spliced to a closure, or the distribution cable be routed through the terminal and directly spliced to drop pigtails within the SlimBox – avoiding the cost of the additional splice closure required by other competitive drop solutions. The SlimBox Drop Terminal may be pole, pedestal, or aerial mounted and meets GR-3120 for reliable performance. It is easily enterable and re-sealed through an innovative clamshell clamping system, and fusion splices are isolated in a separate chamber from the subscriber drop connections.

With multifunctional support using standard connectors – simplicity and versatility meet in the FOX Solution SlimBox Drop System.

Terminal Configuration Options		
Comcode	Product Code	Product Description
301091021	SLIMBOX,DROP TERMINAL-EMPTY	Drop Terminal including one splice tray
301091039	SLIMBOX,DROP TERMINAL-SPICE TRAY KIT	Splice tray only
301092599	SLIMBOX,DROP TERMINAL-ADAPTER TRAY SC	SC Connector tray only
301091047	SLIMBOX,DROP TERMINAL-STRAND MOUNT HRDW	Strand Mound Hardware
301091054	SLIMBOX,DROP TERMINAL-FLAT GRIP/GROMMET	8 Flat grip and grommets
301091062	SLIMBOX,DROP TERMINAL-RND GRIP/GROMMET	8 Round grip and grommets
301091070	SLIMBOX,DROP TERMINAL-W/4 SPLICE TRAYS	Drop Terminal including 4 splice trays
301091088	WSE1S-016-SDT0-BLK-SA8UNC-F	Splice version 16 SC APC shuttered adapters Single Fusion Grip and Grommet
301091096	WSE1W-016-SDT0-BLK-SCAUNC-F-PT	Splice version 16 SC APC adapters w/ Pigtails Single Fusion Grip and Grommets
301091104	WSE1S-016-SDT0-BLK-SCAUNC-F	Splice version 16 SC APC adapters Single Fusion Grip and Grommets
301091112	WSE1S-012-SDT0-BLK-SCAUNC-F	Splice version 12 SC APC adapters Single Fusion Grip and Grommet
301091120	WSE1S-016-SDT0-BLK-LCAUNC-F	Splice version 16 LC APC adapters Single Fusion Grip and Grommets
301091146	WSE1W-016-SDT0-BLK-SCAUNC-F-PT	Splice version 16 SC APC pigtails and adapters Single Fusion Grip and Grommets
301091153	WSE1W-012-SDT0-BLK-SCAUNC-F-PT	Splice version 12 SC APC pigtails and adapters Single Fusion Grip and Grommets
301091161	WSE1W-016-SDT0-BLK-LCAUNC-F-PT	Splice version 16 LC APC pigtails and adapters Single Fusion Grip and Grommets
301091179	WSE1W-012-SDT0-BLK-LCAUNC-F-PT	Splice version 12 SC LPC pigtails and adapters Single Fusion Grip and Grommets
301091187	WSE1W-008-SDT0-BLK-SCAUNC-F-PT	Splice version 8 pigtails and adapters Single Fusion Grip and Grommets
301091195	WSE1W-017-SDT0-BLK-UNCSCA-F-P1-1X16-BAL	Splitter version 16 adapters Flat & Round (splitter input is unconnectorized)
301091203	WSE1W-009-SDT0-BLK-UNCSCA-F-P1-1X08-BAL	Splitter version 8 adapters Flat & Round (splitter input is unconnectorized)
301091211	WSE1W-004-SDT0-BLK-SCAUNC-12RT-0070F-39N-R	Cable version 4 fiber 12YT stub Round Grip and Grommets
301091229	WSE1W-016-SDT0-BLK-SCAUNC-12RT-0070F-39N-R	Cable version 16 fiber 12YT stub Round Grip and Grommets
301091237	WSE1W-016-SDT0-BLK-SA8UNC-F-PT	Splice version 16 SC APC shuttered adapters w/ Pigtails Single Fusion Grip and Grommets



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## SlimBox™ Drop System

### Round Drop Cable Assemblies

Available in multiple lengths and multiple connector types: SC-APC; SC-UPC; LC-APC and LC -UPC

**Application:** Pulled or blown into 3/4" conduit, May be stapled.

### EZ-Bend Indoor-Outdoor 4.8 mm Drop Cable Assemblies

**Color:** Black

Ordering Information			
Lengths	Connector	Factory Terminated Ends	Part Number
100F	SC-APC	1	JR5DK001SCAUNC100F
100F	SC-APC	2	JR5DK001SCASCA100F
100F	LC-APC	1	JR5DK001LCAUNC100F
100F	LC-APC	2	JR5DK001LCALCA100F



### EZ-Bend Indoor-Outdoor 4.8 mm Drop Cable Assemblies

**Color:** White

Ordering Information			
Lengths	Connector	Factory Terminated Ends	Part Number
100F	SC-APC	1	JR5DW001SCAUNC100F
100F	SC-APC	2	JR5DW001SCASCA100F
100F	LC-APC	1	JR5DW001LCAUNC100F
100F	LC-APC	2	JR5DW001LCALCA100F



### Flat Drop Cable Assemblies

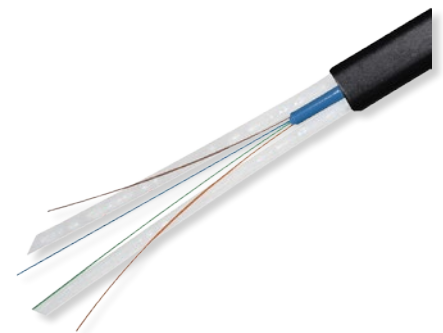
Available in multiple lengths and connector types

**Application:** Pulled or blown into 3/4" conduit.

### Mini-LT Outdoor Flat Drop Cable Assemblies

**Color:** Black

Ordering Information			
Lengths	Connector	Factory Terminated Ends	Part Number
100F	SC-APC	1	LPC1-A-SCAUNC-8T7T-001-100F
100F	SC-APC	2	LPC1-A-SCASCA-8T7T-001-100F
100F	SC-UPC	1	LPC1-A-SCUUNC-8T7T-001-100F
100F	SC-UPC	2	LPC1-A-SCUSCU-8T7T-001-100F

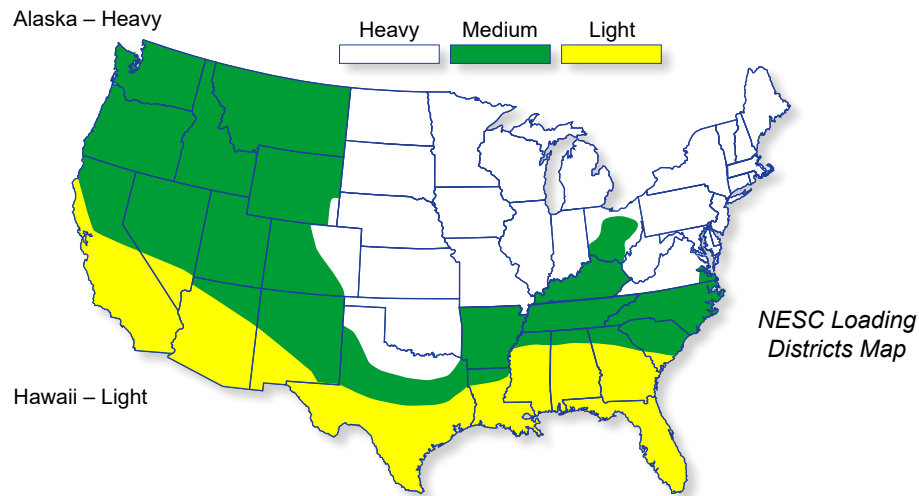




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## SlimBox™ Drop System

Aerial Span Information				
Storm Loading Region (see map below):	1% Midspan Sag at Installation		3% Midspan Sag at Installation	
	Max Span	Installation Tension	Max Span	Installation Tension
<b>Heavy:</b>	140 ft.	42 lbf.	175 ft.	18 lbf.
<b>Medium:</b>	260 ft.	78 lbf.	350 ft.	35 lbf.
<b>Light:</b>	290 ft.	87 lbf.	400 ft.	40 lbf.



Connectorized Assembly Performance Specifications	
Property	Performance
<b>Insertion Loss, maximum:</b>	0.3 dB
<b>Return Loss, minimum:</b>	-65 dB for APC and -55 dB for UPC
<b>Mating Durability:</b>	100 reconnects
<b>Operating Temperature:</b>	-40 °C to 85 °C
<b>Storage Temperature:</b>	-40 °C to 85 °C

Splitter Assembly Performance Specifications		
Property	1X 8 Splitter	1X16 Splitter
<b>Insertion Loss, maximum:</b>	10.4 dB	13.8 dB
<b>Return Loss, minimum:</b>	-50 dB	-50 dB
<b>Polarization Dependent Loss:</b>	≤ 0.3	
<b>Operating Temperature:</b>	-40 °C to 75 °C	40 °C to 75 °C
<b>Storage Temperature:</b>	-40 °C to 85 °C	-40 °C to 85 °C

Drop Terminal Dimension Specifications	
Property	Dimensions
<b>Cable Entry OD:</b>	10 – 18 mm
<b>Round Drop OD:</b>	4 – 5 mm
<b>Flat Drop Dimensions:</b>	4.3 mm X 7.8 mm (available in 1, 2, 4, 6 and 12 fibers)
<b>Terminal Dimensions:</b>	22.2 cm wide X 29.8 cm high X 11.7 cm deep



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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.



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