

Integrated Fiber Transition Housing (IFTH)



Integrated Fiber Transition Housing



Integrated Fiber Transition Housing (Inside) - ROC drop with Pushlok®, NID, and I/O 2.9mm drop

The Integrated Fiber Transition Housing (IFTH) is a preterminated, home-connected solution designed for service providers and contractors. It delivers a complete single-family fiber-to-the-home (FTTH) connectivity solution, seamlessly carrying optical fiber from the terminal to the indoor ONT. This is accomplished by integrating three typically separate components—an outdoor ROC™ drop cable assembly, a traditional network interface device (NID), and an indoor/outdoor SC to SC customer drop assembly—the IFTH streamlines the installation process.

Our innovative solution also significantly reduces installation time by 20% to 40%, depending on deployment, making your projects more efficient and cost-effective. With a simple, one-person setup requiring minimal skill and equipment, installations are faster and easier than ever. The consolidated Homes Connected material inventory, available in both the warehouse and on the truck, ensures streamlined operations and less downtime. Plow-ready and designed to minimize issues like cable twisting and kinking, our solution provides a smoother installation process. Plus, its environmentally friendly design reduces packaging waste, contributing to a cleaner, more efficient operation.

Features	Benefits
Reduced installation time	Up to ~20% – ~40%, depending on deployment
Easy, one-person deployment	Low skill level and less equipment needed
Consolidated Homes Connected material inventory	Both in the warehouse and on the truck
Provides proper slack storage for both OSP and I/O drop cables	Delivered w/ 50-ft OSP drop in housing, and up to 100-ft indoor/outdoor on inner reel
Plow ready	Reduction in ROC™ cable twisting and kinking
Environmentally friendly	Reduces packaging and waste

Specifications

OptiTap® Assemblies

Connector	
Insertion Loss, Typical	0.15 dB
Reflectance, Typical	-65 dB
Outer Diameter Dimensions	20 mm (with dust cap)

Cable Assemblies	
Axial Pull, Plug to Adapter Coupling Strength	23 kg
Axial Pull, Plug to Cable, Through the Dust Cap	45 kg
Cold Mate/Demate	GR-3120

Standards	
Design and Test Criteria	GR-3120

Pushlok® Assemblies

Connector	
Insertion Loss, Typical	0.15 dB
Reflectance, Typical	-65 dB
Outer Diameter Dimensions	12 mm (with dust cap)

Cable Assemblies	
Axial Pull, Plug to Adapter Coupling Strength	23 kg
Axial Pull, Plug to Cable, Through the Dust Cap	45 kg
Cold Mate/Demate	GR-3120

Standards	
Design and Test Criteria	GR-3120

Specifications

Network Interface Device (NID)

Box Dimensions	
Height	3.75 in
Width	19.63 in
Depth	20.63 in
Mounting Type	Wall Mount

Standards	
Design and Test Criteria	GR-3120

Indoor/Outdoor Drop Assembly

Performance	
Insertion Loss, Typical	0.2 dB
Reflectance, Typical	-55 dB
Reflectance, (angled cleave)	-65 dB
Fiber Type	Corning® ClearCurve® Single-mode Fiber

Ordering Information	
Product Number	See matrix on following page
Package Contents	Integrated cardboard reel to store/deploy hybrid drop cable assembly — hardened Pushlok® or OptiTap® to SC APC connector or bare ended stub to SC APC with toneable or dielectric cable, (2) NID with SC APC adapter, (3) integrated indoor/outdoor assembly deployment reel with up to 100-ft of 2.9 mm or 75-ft of 4.8 mm cable, and (4) two mounting screws and two screws to secure cover.
Shipping Weight	2.95 kg
Units per Delivery	1/1
Shipping Height	4.75 in
Shipping Width	20.13 in
Shipping Depth	21.5 in

Ordering Information

IFTH	-	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	4	4	0	1	E	B	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	<input style="width: 20px; height: 20px;" type="text"/>	-	<input style="width: 20px; height: 20px;" type="text"/>	-	<input style="width: 20px; height: 20px;" type="text"/>
		1		2		3		4		5		6			7		8

1 Select OSP (outside plant) cable input connector type.

- 43 = OptiTap® Connector, SC APC
- D1 = Pushlok® Connector, SC APC
- 00 = Pigtail, no connector
(Bare end cable stub for spliced input applications.)

2 Output adapter & connector type.

- 44 = SC APC Connector, simplex

3 OSP cable fiber count.

- 01 = 1 Fiber

4 OSP fiber type and cable color.

- EB = Corning® SMF-28e+, black jacket

5 Select OSP cable type.

- 49R = Dielectric
- 19R = Toneable

6 Select OSP cable length.

- 100F = 100 ft
- 150F = 150 ft
- 200F = 200 ft
- 250F = 250 ft
- 300F = 300 ft
- 350F = 350 ft
- 400F = 400 ft
- 450F = 450 ft
- 500F = 500 ft
- 550F = 550 ft
- 600F = 600 ft

7 Select Indoor/Outdoor cable type.

- 1B = 2.9 mm SC APC to SC APC, White Jacket, 75 ft
- 3F = 2.9 mm SC APC to SC APC, Black Jacket, 75 ft
- 2B = 2.9 mm SC APC to SC APC, White Jacket, 100 ft
- 4F = 2.9 mm SC APC to SC APC, Black Jacket, 100 ft
- 3H = 4.8 mm SC APC to SC APC, White Jacket, 50 ft
- 43 = 4.8 mm SC APC to SC APC, Black Jacket, 50 ft
- 4H = 4.8 mm SC APC to SC APC, White Jacket, 75 ft
- 44 = 4.8 mm SC APC to SC APC, Black Jacket, 75 ft

8 Select compliance option.

- S = Standard
- U = BABA compliant
(*only available if D1 is chosen in selection box 1)
- A = Standard, includes Pushlok to OptiTap adapter
- B = BABA compliant, includes Pushlok to OptiTap adapter
(*only available if D1 is chosen in selection box 1)

*The input connector on the outside plant cable (OSP) must be equipped with a Pushlok connector (D1) on all BABA-compliant solutions.

*Recommended accessory for existing networks that have hardened OptiTap connectors deployed.

Note: **KT-PL-OPT-CONV**: Pushlok to OptiTap converter kit. Minimum order quantity of 10 pieces.



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