

# EXISTING SINGLE-FAMILY HOMES

Few existing homes are equipped with home network cabinets. Therefore, the optical termination point is often mounted on a wall as close as possible to the point where the cable enters the home.

However, to make sure that wireless devices like smartphones and tablets have internet access in every room throughout the home, it is preferable to place the set-top box at the center of the home. Lightwin has developed a discreet solution to extend the optical fiber network from where it enters the home to the home's main living area.



**FTTH BOX MULTI-FIBER OPTIC BREAKOUT CABLE  
OD:2MM**

**APPLICATION**

- Indoor Fiber to the Home

**FEATURES**

- Pre-fabricated connectors SC /APC 4 possible
- Length: 10 -120m
- Easy push out thanks to compact cables
- Type of fiber: 4xG657.A2, 250um



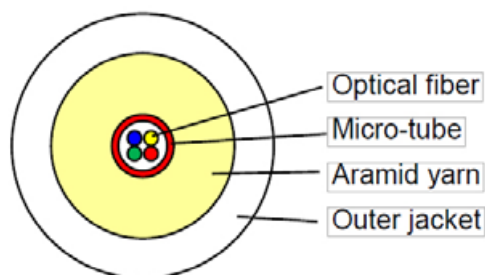
**SPECIFICATION**

WALL OUTLET 2XSC/APC	2 cores	FTTH Box	1pcs
		Adaptor	2pcs
		Connector	2pcs
		Drop cable	10-120m
WALL OUTLET 4XSC/APC	2 cores	FTTH Box	1pcs
		Adaptor	4pcs
		Connector	4pcs
		Drop cable	10-120m

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DROP CABLE

CERTIFICATE



SPECIFICATION

Fiber Number	2 core	4 core
Fiber Color	Blue, red	Blue, green, yellow, red
Fiber Type	OS2 9/125(G657.A2)	
Micro-tube color	White	
Micro-tube material	LSZH	
Micro-tube diameter (mm)	0.95±0.05	
Strength member	Aramid yarn	
Outer jacket color	White(RAL 9001)	
Outer jacket thickness(mm)	0.75±0.05	
Outer jacket diameter(mm)	2.2±0.2	

STANDARDS COMPLIANT

Micro-tube color	White
Flame wiring Jacket	IEC 60332-1-2 (available)
Halogenfree	IEC 60754-2
Smoke density	IEC 61034
Flame propaga	on

CHEMICAL

RoHS 2011/65/EU&(EU )2015/863

REACH ( SVHC 197)

PERFORMANCE REQUIREMENTS

Operation temperature ( ° C)	-20 ~ +70
Nominal weight (Kg/km)	Approx. 13.0
Min. bending radius(mm)	10D (Static) 20D (Dynamic) (D: Cable diameter)
Short term tensile(N)	200
Crush resistance (N/100mm)	500
Attenuation (dB/km)	≤0.4 at 1310nm, ≤0.3 at 1550nm

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**FTTH BOX**

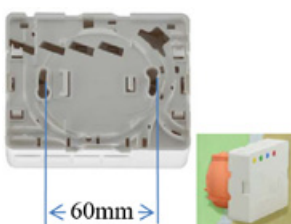
Material	ABS+PC (UL94-V0)
Color	White RAL9001
Dimensions	100×80×30mm
Installation	Wall mount 60mm or Rail DIN 35mm



Support for up to 4 ports SC Simplex Adapter	Support for up to four color displays	Squeeze the edge of the box to easily separate the box
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Germany Crimping Type	Large internal fiber storage space	Support up to 5 port cable output
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Wall installa on distance 60mm	Rail DIN Horizontal install on	Rail DIN Vertical installation
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LC DUPLEX ADAPTERS PLASTIC (APC)



Material	ABS+PC (UL94-V0)
Sleeves	Ceramic without flange with internal laser protection shutter
Color	Green

STANDARDS COMPLIANT

IEC 61754-4

CHEMICAL

RoHS 2011/65/EU&(EU )2015/863

REACH ( SVHC 197)

PERFORMANCE REQUIREMENTS

Insertion loss	≤0.20dB
Durability	500cycle
Operating Temperature	-40 ~ +80°

SC SIMPLEX ADAPTERS PLASTIC (APC)



Material	ABS+PC (UL94-V0)
Sleeves	Ceramic without flange with internal laser protection shutter
Color	Green

STANDARDS COMPLIANT

IEC 61754-4

CHEMICAL

RoHS 2011/65/EU&(EU )2015/863

REACH ( SVHC 197)

PERFORMANCE REQUIREMENTS

Insertion loss	≤0.3dB
Return loss	>60dB
Radius	7.5mm
Operating Temperature	-40 ~ +80°

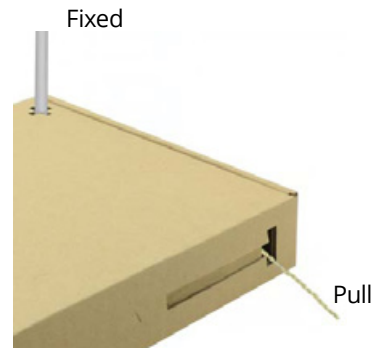
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PACKAGE

USAGE



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- Materials: corrugated paper E+E(5 layers)
  - Thickness: 102 mm
  - Size(cm): 25 L x 23.5 W x 5 H
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