

Fiber Home Termination Kit

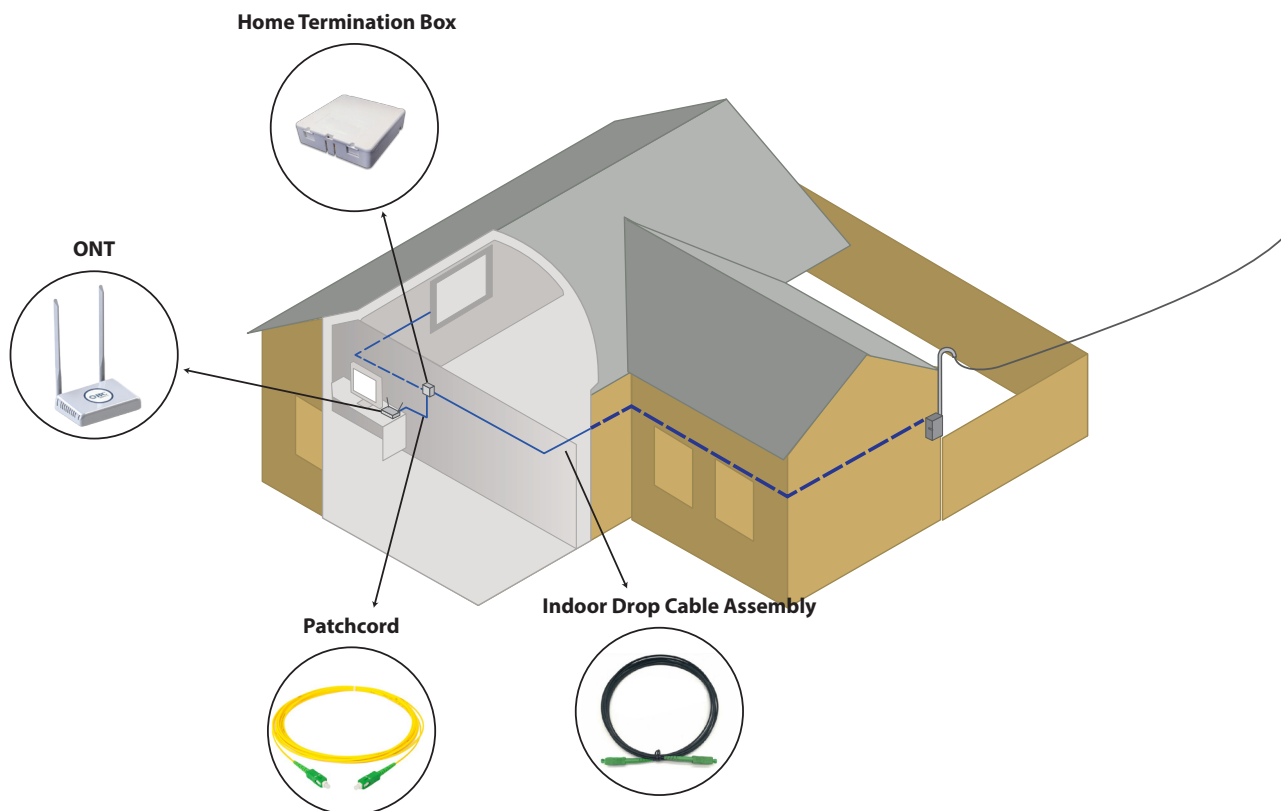


Overview

PPC's Home Termination Kit is a comprehensive fiber management solution that's installed at the customer premises and acts as the termination point of an optical distribution network that's ready to establish connectivity with network terminal or customer premises equipment (CPE).

The Home Termination Kit includes:

- One 2-port Home Termination Box
- One Patchcord



Fiber Home Termination Kit



Home Termination Box loaded with Adapter & Pigtail

Features & Benefits

- Compact and easy to install
- Slot-in SC / LC (Duplex) adapter saves time
- High reliability SC / LC (Duplex) interface
- Flame retardant ABS material
- Industry standard wall mount
- RoHS compliant
- Accommodates mechanical or fusion splice protection sleeves
- Light weight and robust
- Can be used with all fiber types
- Full fiber management
- Pre-loaded with pigtails and adapters



Overview

The PPC Fiber Home Termination Box is a compact, wall mountable box designed to terminate up to two fibers at the end-user interface, specifically for fiber-to-the-home (FTTH) and fiber-to-the-desk (FTTD) applications. This product provides optimum fiber management to ensure long-term reliability and the transmission of high-speed services. Laser safety and resistance to contamination is provided by the integrated shutter mechanism.

To ensure robust operation, the PPC Fiber Home Termination Box uses the industry standard SC / LC connector interface. Suitable for both direct termination and fusion/mechanical splicing, the unit includes specific location of splices and splice protectors.

Application

- Indoor FTTH applications
- FTTD interfaces

Technical Data

Mechanical Data

Specifications	Value
Dimensions (HxWxD) in mm	86 x 86 x 25
Type of adapters	SC simplex or LC duplex
End face	APC or UPC
Fiber capacity	Four, (2 x SC Simplex) / (2 LC x Duplex)
Weight	50 grams

Environmental Data

Specifications	Value
Operating temperature	-5°C to 40°C (23 °F to 104 °F)
Storage temperature	- 25°C to 55°C (-13 °F to 131 °F)
2011/65/EC RoHS	Fully compliant

Fiber Home Termination Kit



Ordering Information

TNBX

5

6

7

8

9-10

11

12-13

5. No of Adapter

UNLD = Unloaded

1 = 1No.

2 = 2No.s

9-10. Pigtail Length

05 = 0.5MTR

15 = 1.5mtr

Empty = Unloaded

6. Adapter type

1 = SC

2 = LC

Empty = Unloaded

11 Accessories

A = Standard accessories (Splice protector, fissure plug)

L = Only fixing Screw

7. Polish Type

A = APC

U = UPC

Empty = Unloaded

12-13 Customisation

Empty = Standard

XX = As per customer requirement (NP for Netplus)

8. Fiber Type

S = G.652D

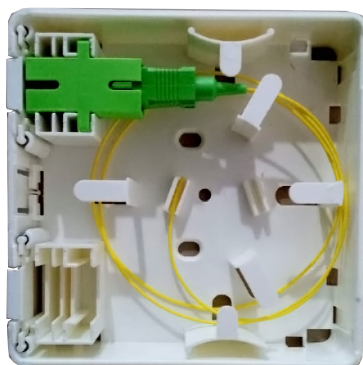
A = G.657A1- BIF 10mm

N = G.657A2- BIF 7.5mm

B = G.657B3- BIF 5mm

G = G.655

Empty = Unloaded



Fiber Home Termination Kit



Patchcords

Features & Benefits

- Available with all fiber optic connector types- SC, LC,
- IEC, EIA/TIA and GR-326-CORE compliant
- Simplex, Duplex and Flat Duplex design
- 2.0mm and 2.8mm cable diameter
- Single mode (APC/UPC)
- High quality ceramic ferrules, housings and dust cap
- LSZH, Riser and PVC versions
- Low insertion loss and high return loss
- Individual test results and traceability number
- Mating Durability: 1000 cycles; <0.2 dB change
- Customized on request



Overview

PPC offers high-performance patchcords for use in all types of fiber optic networks. The PPC patchcords are manufactured using a state-of-the-art controlled manufacturing process to operate over the full range of single-mode wavelengths. PPC patchcords are terminated with high-quality connectors, which provide low insertion loss and high return loss. Each patchcord is individually tested and supplied with test certificates. The unique serial number provides traceability of every single product. They're available in all types of single-mode fiber types.

Technical Data

Optical Data

Specification		Value		
		Premium	Standard	Lite
Connector Insertion Loss		0.2dB	0.3dB	0.5dB
Connector Return Loss (SM)	APC	≥65dB	≥60dB	≥60dB
	UPC	≥55dB	≥50dB	≥50dB
	PC	≥50dB	≥50dB	≥50dB
Connector Return Loss (MM)	PC	≥20dB	≥20dB	Not Applicable
EndFace Inspection		100%	100%	Sampling
Endface Geometry Inspection		100%	Sampling	Not Applicable
Fiber type		OS2, G657A1, G657A2, G657B2, G657B3, OM1, OM2, OM3, OM4		

Environmental Data

Specification	Value		
	Premium	Standard	Lite
Operating temperature	-10°C to +75°C (14 °F to 167 °F)	-10°C to +70°C (14 °F to 158 °F)	-10°C to +50°C (14 °F to 122 °F)
Free of halogen	Yes (when LSZH cable is specified)		
2011/65/EC RoHS	Fully compliant		

Fiber Home Termination Kit



Technical Drawing



Fig.1: Simplex patchcord schematic

Ordering Information

P	S	1	A	1	A	4	3	A	0	0	5	0	L	1	P
1	2	3	4	5	6	7	8	9-12				13	14	15	

1 CABLE TYPE S = SIMPLEX	5 POLISH TYPE A = APC U = UPC	8 COLOR Y = YELLOW B = BLACK W = WHITE	14 BOOT OPTION 1 = STANDARD STRAIGHT BOOT 2 = STRAIGHT SHORT BOOT 3 = ANGLED BOOT 4 = MINI BOOT
2 CONNECTOR 1 1 = SC 2 = LC	6 CABLE DIAMETER 4 = 1.2MM 5 = 1.6MM 6 = 2.0MM 7 = 3.0MM	9-12 LENGTH 0005 = 0.5MTR 0050 = 5MTR 0500 = 50MTR 5000 = 500MTR	15 CATEGORY P = PREMIUM S = STANDARD L = LITE
3 POLISH TYPE A = APC U = UPC	7 FIBER TYPE S = G.652D A = G.657A1 N = G.657A2 B = G.657B3 G = G.655	13 MATERIAL L = LSZH R = RISER (OFNR) V = PVC P = PLENUM	
4 CONNECTOR 2 1 = SC 2 = LC			