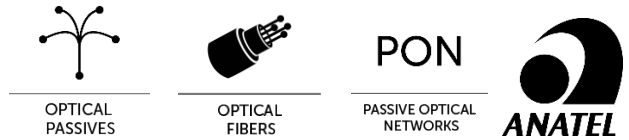




- » Optical Distribution
- » FTTH distribution system
- » LAN and WAN Networks
- » PON Networks

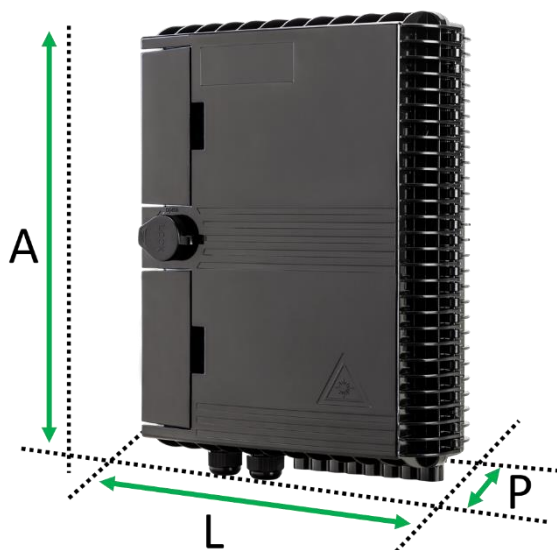
Optical Termination Box
XFCT 1600 / XFCT 1608 / XFCT 1616



The Intelbras Optical Termination Box (OTB) is used as the termination point of the backbone cable to connect with the drop cable to the network of FTTX communication systems. In the OTB, fiber splicing, splitting and distribution can be done, providing adequate protection and accommodation for FTTX network construction. It can be installed indoors and outdoors, and can be fixed to a wall or a pole. With its completely closed structure made of PC+ABS, the Intelbras OTB provides protection against humidity, dust, aging, and water, with an IP 55 Ingress Protection rating.

The Intelbras CTO has 3 models, one without any previously installed splitter (XFCT 1600), which allows the customer to install the splitter as desired, and two other models that have the 1x8 SC/APC (XFCT 1608) or 1x16 SC/APC (XFCT 1616) splitters already installed in the box.

Product details



L	A	P
219 mm	293 mm	84 mm



XFCT 1600

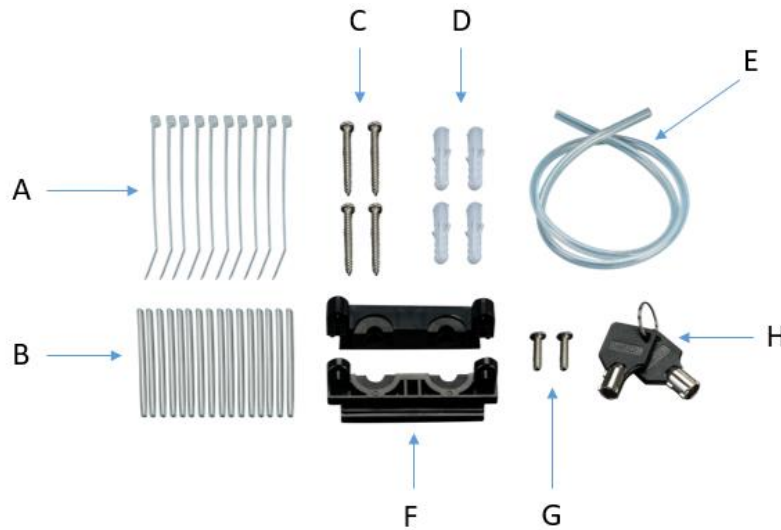


XFCT 1608



XFCT 1616

Included accessories



- a) 10 plastic ties
- b) 16 fusion sleeves
- c) 4 fixing screws
- d) 4 plugs
- e) 1 tube for conduction of the loose tube
- f) 2 parts for the uncut cable
- g) 2 screws to fix the support to the uncut cable
- h) 2 keys for closing the box

Specifications

Box specifications		
Maximum fusion capacity	12 fusions	
Maximum derivation capacity	16	
Maximum splitter capacity	1 x 1x16 Optical Splitter (12 x 4 x 60mm) 2 x 1x8 Optical Splitters (7 x 4 x 60mm)	
Ports	Main	2 individual main ports with support for $\phi 13\text{mm}$ or 2 ports with the possibility to use with uncut cable
	Output	16 output ports for 2 x 3mm drop flat cable
Closing Method	Mechanic	
Application	Pole or wall	
Protection	Anti UV	
Ingress Protection rating	IP-55	
Operating Temperature	-25 °C ~ +75 °C	
Relative Humidity	≤85% at 30 °C	
Certification	Anatel	

Splitter Specifications

Splitter Model	1x8 SC/APC	1x16 SC/APC
Wavelength	1260 to 1650 nm	1260 to 1650 nm
Optical fiber	G.657.A1 - single-mode	G.657.A1 - single-mode
Insertion loss*	≤ 10.5 dB	≤ 13.7 dB
Uniformity*	≤ 0.8 dB	≤ 1.2 dB
PDL*	0.2 dB	0.25dB
Directivity*	≥ 55 dB	≥ 55 dB
Return loss*	≥ 50 dB	≥ 50 dB
Storage Temperature	-40 °C ~ +85 °C	-40 °C ~ +85 °C
Operating Temperature	-5 °C ~ +75 °C	-5 °C ~ +75 °C
Relative operating humidity	0% to 95%	0% to 95%
Cable Dimensions	Input	1.5 m
	Output	0.6 m
	Cable Diameter	0.9 mm
Splitter size (W x H x D)	7 x 4 x 60 mm	12 x 4 x 60 mm

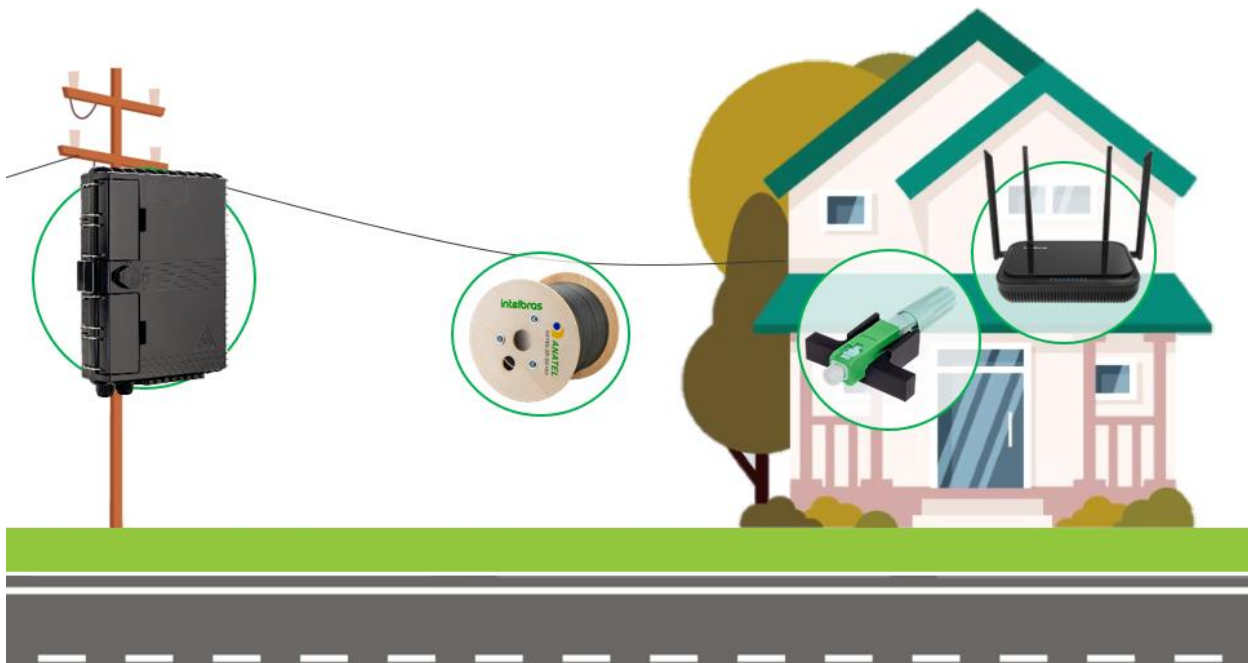
* Connector losses not taken into account

Connector specifications

Splitter Model	1x8 SC/APC	1x16 SC/APC
Connector type	SC	SC
Connector Polish	APC	APC
Insertion loss	≤ 0.3 dB - Class III	≤ 0.3 dB - Class III
Return loss	≥ 60 dB - Category D	≥ 60 dB - Category D
Connection durability	≥ 600	≥ 600
Coupling type	Push-pull	Push-pull
Ferrule	Zirconia	Zirconia
Connector size (W x H x D)	9 x 8.2 x 60 mm	9 x 8.2 x 60 mm

Note: specifications are only valid for XFCT 1608 and XFCT 1616 models that have their corresponding splitters installed

Integrated Solutions



Available models



XFCT 1600
Aerial Optical Termination
Box without splitter



XFCT 1608
Aerial Optical Termination Box
with 1x8 SC/APC splitter



XFCT 1616
Aerial Optical Termination Box
with 1x16 SC/APC splitter

Understand nomenclature

