

Pre-terminated Hybrid CTB kit for internal cables

Prysmian Part Numbers: See table next page



The Pre-terminated Hybrid Compact Termination Box (HCTB) kit for internal cables is designed for use in residential and business applications. The wall box is supplied on a cardboard reel with a length of cable pre-installed in the factory. This process eliminates the need for splicing or fitting field mount connectors in the customer premises. The cable is simply pulled out of the box, back to the floor/riser box and the HCTB can be secured to the wall, without the need to open the unit. The HCTB is equipped with one SC/APC inner-shuttered adaptor, on the front face a position is also available for a TV connector or a RJ45 connector, both can be mounted on a keystone format port available on the HCB. The cables are LSOH. The cable can easer be a «pull» type or a «push » type inside embedded duct and contains one fibre BendbrighXS (G.657.A2).The standard lengths of cable supplied are 30 and 50 meters.

Features and Benefits

- The HCTB has a compact & attractive design for interior wall mounting. Standard color is white RAL9010.
- Eliminates the need for splicing in the customer premises.
- On the front main cover a flip cover is available for an identification label.
- Removable main cover for easy access.
- The HCTB is pre-terminated in the factory to a length of cable using SC/APC connector. Fully tested, each box is supplied with data for insertion loss and return loss for each connector.
- The standard cable lengths available are 30m or 50m. Other lengths can be supplied. Contact Prysmian for further information.
- On the front face, the HCTB can also accept through the Keystone port:
 - a female connector (type 9.52) TV antenna cable
 - a male connector (Type F) for satellite cable
 - a male connector (Type RJ45) CATx for Ethernet networks.
 This feature allows to use the same existing duct to install the optical cable together with the already installed copper cable.
- The «pull» type cable (L1082-1) for duct installation or direct to the wall installation are LSOH, have a 4 mm nominal diameter, contains one fibre BendbrightXS (G.657.A2) in a 900 microns buffer, SC/APC pre-terminated.
- The «push» type cable (L1087-1R) for duct installation are LSOH, have a 2,7 mm maximum diameter, contains one fibre BendbrightXS (G.657.A2) in a 900 microns buffer, SC/APC pre-terminated. All the accessories needed to push the cable are supplied within the kit.
- Cables can enter unit from rear and bottom side.
- All fibres are positively managed to maintain a 15mm minimum bend radius.
- Patch cord exits the unit on bottom face and is protected by the use of inner-shuttered adaptors.
- Supplied with a bracket for wall mounting (with screws or double face tape), for embedded electrical junction box.

Kit Contents

The HCTB is supplied with the required cable length pre-terminated and wound onto a cardboard reel. The reel is supplied in a cardboard box and the cable can be spooled out directly from the box. Wall fixings, the female connector (type 9.52) for TV antenna cable are supplied with the box.

Prysmian Part Numbers

Pre-terminated HCTB kit equipped with « push » type cable

Prysmian Part Number	Designation	Product Content
<i>XCPSC02878</i>	HCTB Kit 1FO L1087-1R 30m	HCTB equipped with 1fo «push» type cable L1087-1R, 30 meters length, wall box's end SC/APC pre-terminated. The HCTB is supplied within the unroller with all the accessories required to push the cable inside a duct.
<i>XCPSC02879</i>	HCTB Kit 1FO L1087-1R 50m	HCTB equipped with 1fo «push» type cable L1087-1R, 50 meters length, wall box's end SC/APC pre-terminated. The HCTB is supplied within the unroller with all the accessories required to push the cable inside a duct.

Pre-terminated HCTB kit equipped with « pull » type cable

Prysmian Part Number	Designation	Product Content
<i>XCPSC02880</i>	HCTB Kit 1FO L1082-1 30m	HCTB equipped with 1fo «pull» type cable L1082-1, 30 meters length, wall box's end SC/APC pre-terminated. The HCTB is supplied within the unroller.
<i>XCPSC02881</i>	HCTB Kit 1FO L1082-1 50m	HCTB equipped with 1fo «pull» type cable L1082-1, 50 meters length, wall box's end SC/APC pre-terminated. The HCTB is supplied within the unroller.

Logistics

• Unroller Dimensions (mm):	(l)280 (w)260 (d)55	Weight (kg):	
• MOQ:	12 kits	HCTB Kit 1FO L1082-x 30m	0,35kg
• Transportation box for 12 kits (mm):	(l)800 (w)300 (d)260	HCTB Kit 1FO L1087-xR 30m	0,20kg
• Number of kits per Euro-palette (800x1200mm):	192 kits	HCTB Kit 1FO L1082-x 50m	0,95kg
		HCTB Kit 1FO L1087-xR 50m	0,50kg

Technical Data – HCTB

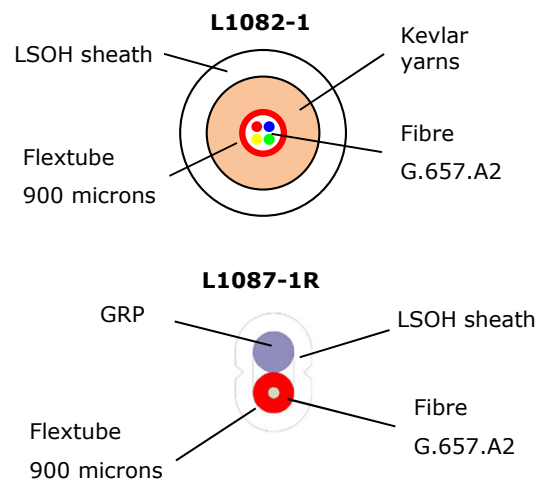
• Maximum input cable diameter(mm) :	5 mm
• Number of input cable port:	1
• Maximum Capacity :	1 connectors type SC
• Key stone port :	1 suitable for a female connector (type 9.52) TV antenna cable or a male connector (Type F) for satellite cable or a male connector (Type RJ45) CATx for Ethernet networks.
• Dimensions (mm) :	(l) 80 x (w) 80 x (d) 25
• Operating temperature :	from -25 to +70°C
• Material/Color :	ABS / White RAL9010
• Testing specification :	FT_RD_WTC_14_03_89 v2
• Inner-shuttered adapter type :	SC/APC

Technical Data – Fibre Termination

- Connector type: SC/APC
- Insertion lost (IL) @ 1310nm and 1550nm : $\leq 0,35\text{dB}$.
- Return lost (RL) @ 1310nm and 1550nm : $\geq 60\text{dB}$.
- Nominal connector angle SC/APC : 8°
- Operating temperature : from -25 to $+70^\circ\text{C}$
- Testing specification : FT/RD/RESA/06/04/253

Technical Data - Cable

Description	Number of fibres	
	1	1
Cable type	L1082-1	L1087-1R
nominal diameter (mm)	4	2,7 x 1,9
Weight (kg/km)	16	7
Minimal bending radius (mm)	20	20
Maximal tension (daN)	40	15
Crush (daN/100mm)	15	10
Operating temperature ($^\circ\text{C}$)	$-30/+70$	$-5/+60$
Fibre type	G.657.A2 (BendBrightXS)	



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