Pre-terminated CB CTB kit for external cables

Prysmian Part Numbers: *See table next page*

The Pre-terminated Circuit Breaker Compact Termination Box (CB CTB) 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 CB CTB can be clipped on a DIN rail, without the need to open the unit. According to the configuration, the CB CTB is equipped from one to four SC/APC inner-shuttered adaptor. The cables are for external use. The cable can easer be a external type or internal/external type contains from one to four fibres BendbrighXS (G.657.A2).The standard lengths of cable supplied are 50 and 100 metres.

Features and Benefits

- The CB CTB has a compact design for DIN rail mounting, ideal for a use inside a communication board or a home hub. Standard color is white RAL9010.
- Eliminates the need for splicing in the customer premises.
- On the front face, the cover contains a cut out for a label to be inserted and a further transparent cover is supplied to fit over the label.
- The CB CTB is available in two formats:
    - 1U unit suitable for up to two fibres with SC/APC adaptors.
    - 2U unit suitable for up to four fibres with SC/APC adaptors.
- The CB CTB is pre-terminated in the factory to a length of cable using SC/APC connectors. Fully tested, each box is supplied with data for insertion loss and return loss for each connector.
- The standard cable lengths available are 50m or 100m. Other lengths can be supplied. Contact Prysmian for further information.
- The internal/external cable type (L1083-x) has 6mm nominal diameter. It contains from one to four fibres BendbrightXS (G.657.A2) in a 900 microns buffer, SC/APC pre-terminated. The cable has a external HDPE sheath that can be pilled to continue the installation, without interruption, with the internal LSOH sheath inside the premises. The cable can enter unit from bottom face.
- The external cable type (L1084-x) has a 5mm nominal diameter, HDPE sheath. It contains from one to four fibres BendbrightXS (G.657.A2) in a 900 microns buffer, SC/APC pre-terminated. The cable can enter unit from the bottom face.
- All fibres are positively managed to maintain a 15mm minimum bend radius.
- Patch cords exit the unit on bottom face and are protected by the use of inner-shuttered adapters.

Kit Contents

The CB CTB 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 are supplied with the box.

Prysmian Part Numbers

Pre-terminated CB CTB kit equipped with internal/external cable

Prysmian Part Number	Designation	Product Content
XCPSC02892	CB CTB Kit 1FO L1083-1 50m	CB CTB equipped with 1fo internal/external type cable L1083-1, 50 meters length, wall box's end SC/APC pre-terminated. The CB CTB is supplied within the unroller.
XCPSC02893	CB CTB Kit 1FO L1083-1 100m	CB CTB equipped with 1fo internal/external type cable L1083-1, 100 meters length, wall box's end SC/APC pre-terminated. The CB CTB is supplied within the unroller.
XCPSC02894	CB CTB Kit 4FO L1083-4 50m	CB CTB equipped with 4fo internal/external type cable L1083-4, 50 meters length, wall box's end SC/APC pre-terminated. The CB CTB is supplied within the unroller.
XCPSC02895	CB CTB Kit 4FO L1083-4 100m	CB CTB equipped with 4fo internal/external type cable L1083-4, 100 meters length, wall box's end SC/APC pre-terminated. The CB CTB is supplied within the unroller.

Pre-terminated CB CTB kit equipped with external cable

Prysmian Part Number	Designation	Product Content
XCPSC02896	CB CTB Kit 1FO L1084-1 50m	CB CTB equipped with 1fo external type cable L1084-1, 50 meters length, wall box's end SC/APC pre-terminated. The CB CTB is supplied within the unroller.
XCPSC02897	CB CTB Kit 1FO L1084-1 100m	CB CTB equipped with 1fo external type cable L1084-1, 100 meters length, wall box's end SC/APC pre-terminated. The CB CTB is supplied within the unroller.
XCPSC02898	CB CTB Kit 4FO L1084-4 50m	CB CTB equipped with 4fo external type cable L1084-4, 50 meters length, wall box's end SC/APC pre-terminated. The CB CTB is supplied within the unroller
XCPSC02899	CB CTB Kit 4FO L1084-4 100m	CB CTB equipped with 4fo external type cable L1084-4, 100 meters length, wall box's end SC/APC pre-terminated. The CB CTB is supplied within the unroller

Logistics

- Unroller Dimensions (mm): (l)400 (w)370 (d)150
- MOQ: 32 kits
- Number of kits per Euro-palette (800x1200mm): 32 kits (H=880mm)

Weight (kg):

CB CTB Kit L1083-x 50m	2.4kg
CB CTB Kit L1083-x 100m	3.9kg
CB CTB Kit L1084-x 50m	1.6kg
CB CTB Kit L1084-x 100m	2.5kg

Technical Data – CB CTB
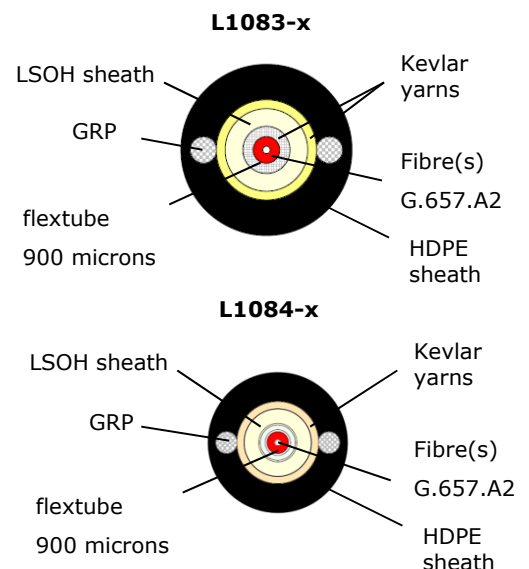
- Maximum input cable diameter(mm) :   5 mm
- Number of input cable port: 1
- 1/2 CB CTB Maximum Capacity :   2 connectors SC type
- 1/2 CB CTB Dimensions (mm) :   1U (l) 90 x (w) 50 x (d) 18
- 4 CB CTB Maximum Capacity :   4 connectors SC type
- 4 CB CTB Dimensions (mm) :   2U (l) 90 x (w) 50 x (d) 36
- Operating temperature :   from -25 to +70°C
- Material/Color :   ABS / White RAL9010
- Testing specification :   FT_RD_WTC_14_04_16 v2
- Inner-shuttered adapter type :   SC/APC

Technical Data – Fibre Termination

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

Technical Data - Cable

Description	Number of fibres			
	1	4	1	4
Cable type	L1083-1	L1083-4	L1084-1	L1084-4
nominal diameter (mm)	6	6	5	5
Weight (kg/km)	30	30	20	20
Minimal bending radius (mm)	60	60	50	50
Maximal tention (daN)	80	80	80	80
Crush (daN/100mm)	20	20	20	20
Operating temperature (°C)	-40/+70			
Fibre type	G.657.A2 (BendBright XS)			

L1083-x

LSOH sheath
GRP
flextube
900 microns
Kevlar yarns
Fibre(s)
G.657.A2
HDPE sheath

L1084-x

LSOH sheath
GRP
flextube
900 microns
Kevlar yarns
Fibre(s)
G.657.A2
HDPE sheath

Please contact your local sales office listed on **www.prysmiangroup.com**