

ELINE® CUSTOMER TERMINAL BOX™ CTB



The Eline® Customer Terminal Box (CTB) has been developed to fulfill all FTTH and FTTO networks requirements.

Its design allows storage on two independent levels for bare and tubed fibers, which brings a robust mechanical protection of the inner splices and enables the product to be easily handled.

Available bare, equipped or pre-cabled the Eline® CTB is perfectly suited to all homes and offices configurations.



Dimensions: L 90mm x D 82mm x H 32mm

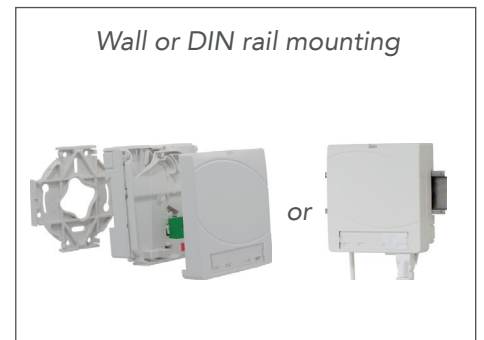
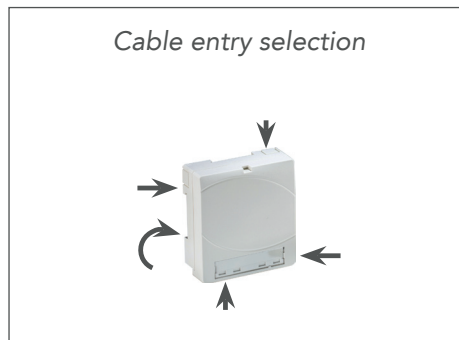
FEATURES

- Bending radius control
- Multiple cable entries
- Enhanced mechanical protection
- Integrated protective flap
- Easy re-operations
- Wall, DIN rail or chute mounting
- Optimized mounting time
- Outer labelling system

VERSIONS

- Bare
- Equipped with adapters and pigtails
- Pre-cabled*
- Pre-connectorized*
- Available from 1 to 4 fibers

* Cable features on page 3



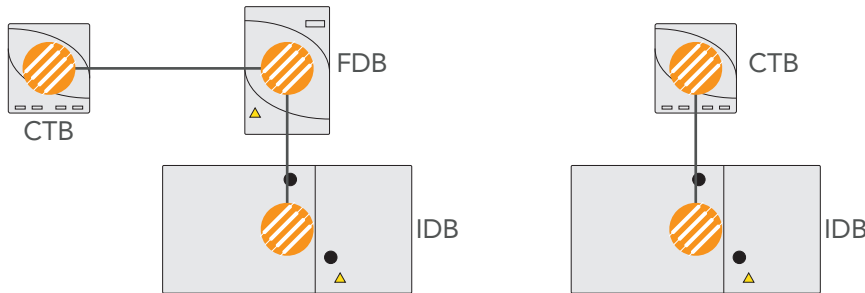
CTB BOX : TECHNICAL SPECIFICATIONS

- Capacity: 1, 2 or 4 fibers (900 μm)
- Bending radius: ≥ 15 mm
- Tensile strength: ≥ 10 daN
- Optical performances (IEC-61300-3-4): IL ≤ 0,3 dB & RL < -60 dB
- Protection index: IP40
- Shockproof: IK07
- Mounting plane: Interaxe of 60 mm
- Material: ABS-PC
- Color: RAL 9010
- UV protected

HOW TO CHOOSE THE RIGHT VERSION ?

• BARE/EQUIPPED WITH ADAPTERS AND PIGTAILS

By choosing to have the set of separate elements, the mounting time is quite long :
Splicing and cable preparation are mandatory at both the FDP and the CTB.

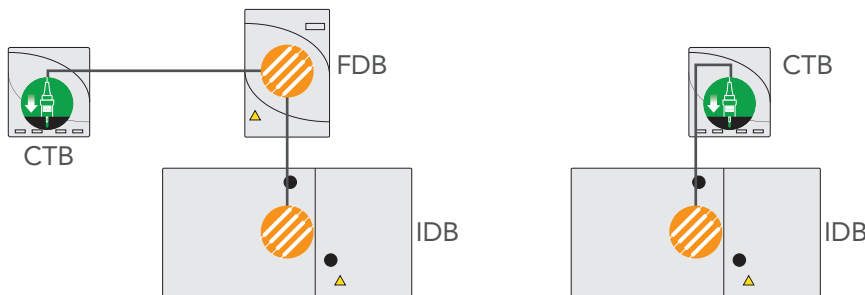


Steps :

- Splicing on FDB / IDB
- Cable pulling
- CTB mounting
- Splicing on the CTB

• PRE-CABLED

This solution minimizes the time spent at the subscriber's home. Operations' time is reduced.
The cable pulling is facilitated thanks to the unwinder kit.

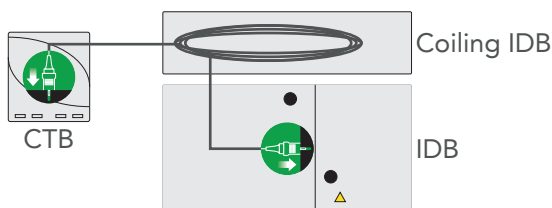


Steps :

- CTB mounting
- Cable pulling
- Splicing on FDB / IDB

• PRE-CONNECTORIZED

In this configuration, no splicing is required since both ends are connectorized.
The extra length is handled in the coiling IDB.



Steps :

- CTB mounting
- Cable pulling
- Direct connection

LEGEND



Splices



Connection

DROP CABLE: TECHNICAL SPECIFICATIONS

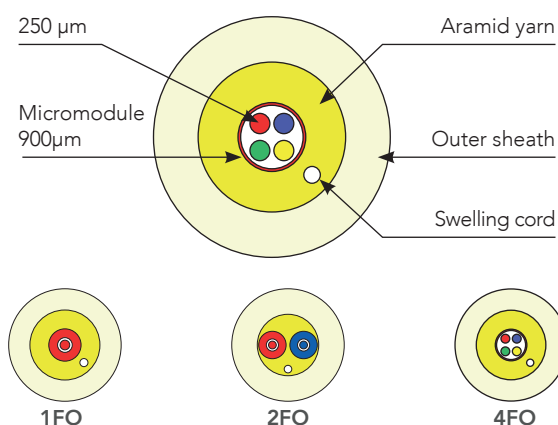
FOR PRE-CABLED ET PRE-CONNECTORIZED VERSION

Telenco networks designs subscriber cable that meet the needs of FTTH access networks. Their structure and material have been designed to optimize the indoor installation.

- Capacity: 1, 2 or 4 fibers
- Diameter: 4 mm ± 0.15 mm
- Thickness: 1 mm ± 0.1 mm
- Color: RAL 9010
- Bending radius: 40 mm
- Tensile strength: 40 daN
- Cut-through resistance: 100 N
- Crushing resistance: 20 daN/cm ($\Delta \leq 0.1$ dB)
Reversibility check at 25 daN/cm
- Impact: 3 Nm : reversible without sheath damage
5 Nm : maintaining optical continuity
- Friction in ducts: $f \leq 0.2$



CABLE STRUCTURE



- **Cable:** 4FO indoor - G.657A2 - L1082 or L1088 Type
- **Modules:** semi-tight structure (red, blue, yellow, green)
- **Material:** Halogen free type, resistant to flame propagation,
resistant to acid, base, mineral oil or solvent type chemical aggression
- **Environmental resistance:** UV resistant and temperature resistant

ORDERING GUIDE

CODE	DESIGNATION	UNIT	PACKAGING	WEIGHT
09015	Eline® CTB 1FO bare	unit	L 128 x D 90 x H 55 mm	0.09 kg
09016	Eline® CTB 2FO bare	unit		0.09 kg
09017	Eline® CTB 4FO bare	unit		0.09 kg
09009	Eline® CTB 1FO with SC/APC adapter and pigtails	unit	L 128 x D 90 x H 55 mm	0.10 kg
09020	Eline® CTB 2FO with SC/APC adapter and pigtails	unit		0.12 kg
09010	Eline® CTB 4FO with SC/APC adapter and pigtails	unit		0.14 kg
09011	Eline® CTB 1FO pre-cabled SC/APC 30m	unit	L 275 x D 55 x H 260 mm	0.81 kg
09021	Eline® CTB 2FO pre-cabled SC/APC 30m	unit		0.82 kg
09012	Eline® CTB 4FO pre-cabled SC/APC 30m	unit		0.83 kg
09019	Eline® CTB 1FO pre-cabled SC/APC 50m	unit		1.05 kg
09288	Eline® CTB 2FO pre-cabled SC/APC 50m	unit		1.06 kg
09276	Eline® CTB 4FO pre-cabled SC/APC 50m	unit		1.07 kg
09032	Eline® CTB 1FO pre-connectorized STD SC/APC 25m	unit	L 275 x D 55 x H 260 mm	0.78 kg
09033	Eline® CTB 2FO pre-connectorized STD SC/APC 25m	unit		0.79 kg
09038	Eline® CTB 4FO pre-connectorized STD SC/APC 25m	unit		0.8 kg
09036	Eline® CTB 1FO pre-connectorized STD SC/APC 40m	unit		1.01 kg
09037	Eline® CTB 1FO pre-connectorized STD SC/APC 40m	unit		1.02 kg
09035	Eline® CTB 1FO pre-connectorized STD SC/APC 40m	unit		1.03 kg

Other lengths available on demand