CROS PLUS 2

Secure Optical Connection Box with Individual Management of Subscribers

- Individual management of the subscriber lines,
- Allows progressive cabling and therefore progressive network deployment,
- Secure and independent access to each of the user and carrier zones,
- Connector accessibility,
- Simple adaptation to various cabling structures and cabling configurations,
- Easy uncut tubes management for the mid-span version,
- A very robust design.

Application :

The CROS PLUS II connection boxes are a perfect solution for optical fibre connection and distribution to residential, private, collective or professional subscribers. They were conceived for telecom carriers seeking to ensure network consistency and individual line control.

Description :

CROS PLUS II is a secured optical connection box allowing capacities of 72 to 96 connectors and up to 288 splices, or 288 uncut coiled fibre storage.

The box is a metal two-compartment housing. Each of the two sections is secured by the means of a lock :

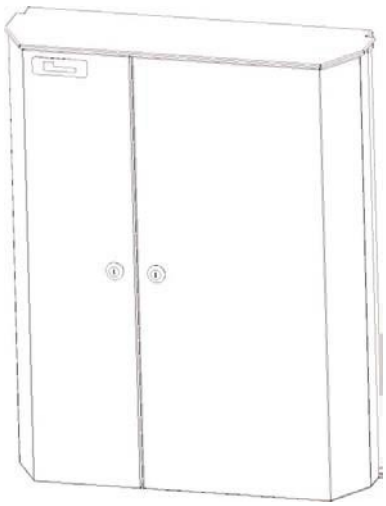
- the left one houses the subscriber access connector zone,
- the right one houses cable entries, splicing trays and coiled fibres.

Dimension :

Height
607 mm

Width
481 mm

Depth
150 mm



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Technical description :

The CROS PLUS II box can be configured in accordance with the included Reference System.

It is delivered pre-equipped with :

- A patch panel,
- FiberArt™ or standard cassette splicing modules fitted with tube and pigtail affix accessories,
- One or several oval ports for mid span access and 2 to 6 auxiliary cable entries for a 19 mm maximum cable diameter,
- Top* and bottom jumper or drop cable guiding devices,
- A two-key security system - one unique key for the carrier, one key for the subscriber.

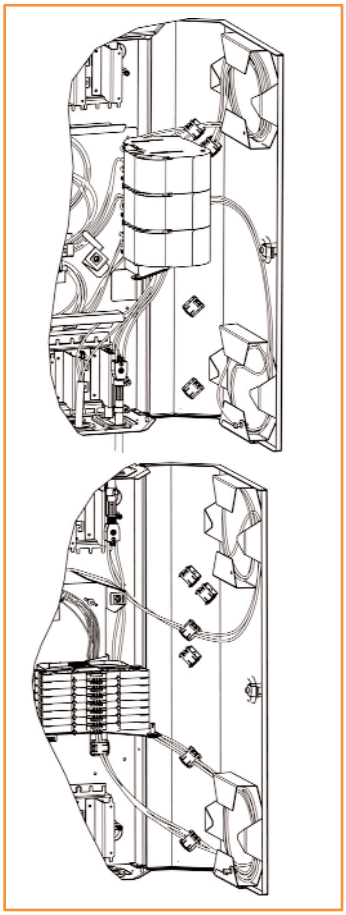
The cabinet has a grounding point in its top and bottom part.

The affix devices are not included in the basic configuration and must be ordered separately (see table below).

FiberArt Characteristics :

See technical data sheets DTS O FA1-OPT 001-GB and DTS O FA2-OPT 001-GB

**No top jumper entry for the Protection Index IP54 version.*



Characteristics :

Painting
Housing - RAL9002

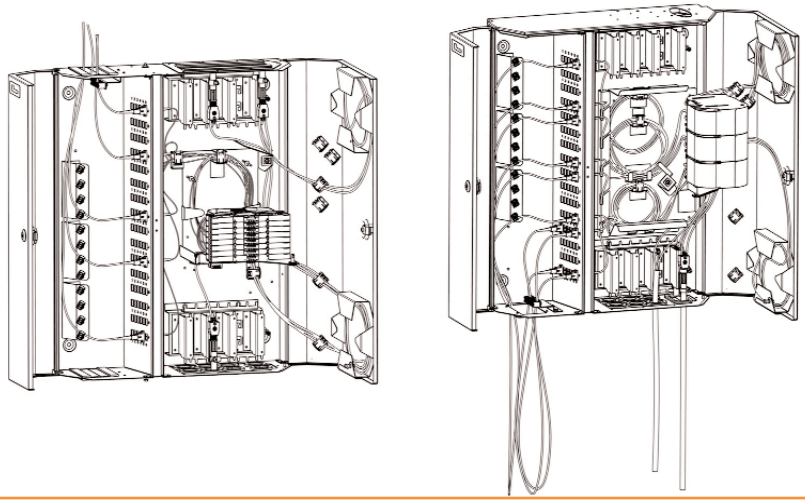
Protection index
IP 50 or IP 54

Tube length
3 m (10 ft)

Pigtail length
2 m (9 ft)

Pigtail diameter
900 µm - 1,1 mm

Jumper diameter
1,6 mm to 3 mm (0,06 in to 0.12 in.)



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Reference System :

CROS Plus **PS** **T** **MS** **K**

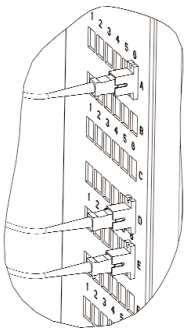
Type of housing	
2	Capacity 24-36-48-72-96

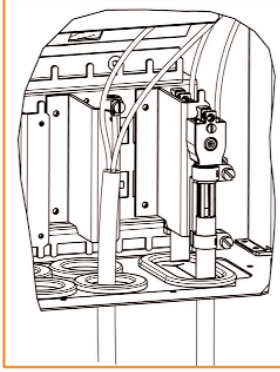
Patch Pannel	
24SC	24 adaptors SC
36SC	36 adaptors SC
48SC	48 adaptors SC
72SC	72 adaptors SC
96SC	96 adaptors SC
24FC	24 adaptors FC
36FC	36 adaptors FC
48FC	48 adaptors FC
72FC	72 adaptors FC
96FC	96 adaptors FC

Number and type of cassettes	
1F1	1 FiberArt version 1 level
2F1	2 FiberArt version 1 level
3F1	3 FiberArt version 1 level
1F2	1 FiberArt version 2 levels
2F2	2 FiberArt version 2 levels
3F2	3 FiberArt version 2 levels
4K7	4 standard cassettes
5K7	(capacity 48 splices) 5 standard cassettes
6K7	(capacity 60 splices) 6 standard cassettes
7K7	(capacity 72 splices) 7 standard cassettes
8K7	(capacity 84 splices) 8 standard cassettes (capacity 96 splices)

Entry Port Configuration	
B1	IP 50-Cable entry from the bottom, patchcords outgoing from the bottom or from the top - standard cable attachement collar device
B2	IP 54-Cable entry from the bottom, patchcords outgoing from the bottom-Double retention cable attachment device
T1	IP 50-Cable entry from the top, patchcords outgoing from the bottom or from the top-Standard cable attachement collar device
T2	IP 54-Cable entry from the top, patchcords outgoing from the bottom - Double retention cable attachment device

Locking System	
1	A standard locking system





Accessories :

Code	Description
49280	Cable attachment device for up to19mm-DEP (0.75 in.)
49262	Cable attachment device for 19 to 24mm-DFC (0.75 to 0.95 in.)
51573	A 10 position connecting bar
50825	A heat shrinkable watertight kit
44656	Heat shrink fusion splice protection. Package of 12
45632	FOCS mechanical splice protections. Package of 100

Accessories can be ordered separately. The attachment devices are not included in the basic configuration, and must be ordered separately.

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