

# CROS PLUS 1

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,
- A very robust design.

## ■ Application :

The CROS PLUS I 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 I is a secured optical connection box allowing capacities of 24 to 48 connectors; (up to 144 splices, or 144 uncut coiled fibre storage for the FiberArt variant).

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  
420 mm (16.5 in.)

Width  
360 mm (14.2 in.)

Depth  
150 mm (5.9 in.)

Weight  
10 kg (6.5 pounds)



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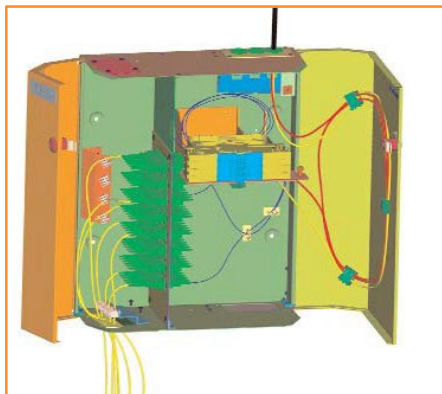
## ■ Technical description :

The CROS PLUS 1 box can be configured in accordance with the included Reference System. It is delivered pre-equipped with :

- A patch panel,
- FiberArt™ splicing modules or 2-4 standard cassettes fitted with tube and pigtail affix accessories,
- A cable entry for 3 cables with 13 mm maximal diameter,
- Top and bottom jumper or drop cable guiding devices\*,
- A two-key security system - one key for the carrier, one key for the subscriber.

The cabinet has grounding points at the bottom and at the top. The affix devices are not included in the basic configuration and must be ordered separately (see table overleaf).

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



## ■ FiberArt Characteristics :

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

## ■ 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 :	From 900 μm to 1,1 mm
Jumper diameter :	From 1,6 mm to 3 mm (0,5 in to 0.12 in.)



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## Reference System : CROS Plus PS T MS K

Type of housing	
1	Capacity 24 - 36 - 48

Patch Panel	
24SC	24 adaptors SC
36SC	36 adaptors SC
48SC	48 adaptors SC
24FC	24 adaptors FC (withscrews)
36FC	36 adaptors FC (withscrews)
48FC	48 adaptors FC (withscrews)

Number and type of cassettes	
1F1	1 FiberArt version 1 level
1F2	1 FiberArt version 2 levels
2K7	2 standard cassettes (capacity 12 splices/cassette)
4K7	4 standard cassettes (capacity 12 splices/cassette)

Entry Port Configuration	
B1	IP 50-Cable entry from the bottom, patchcords outgoing from the bottom or from the top - standard cable attachment collar device
B2	IP 54-Cable entry from the bottom, patchcords outgoing from the bottom. Ring attachment device for cables with a strength member
T1	IP 50-Cable entry from the top, patchcords outgoing from the bottom or from the top-Standard cable attachment collar device
T2	IP 54-Cable entry from the top, patchcords outgoing from the bottom. Ring attachment device for cables with a strength member

Locking System	
1	A standard locking system

### Accessories :

Code	Description
56735	Cable attachment device with TY-RAP for up to 13mm-DEP
55831	Metal ring attachment device for cables with a strength member - max diam.13mm
57592	Grounding accessories
44656	Heat-shrink fusion splice protection - package of 12
45632	FOCS mechanical splice - package of 100

**\*\*Accessories can be ordered separately.**

*The incoming cable attachment devices are not included in the basic configuration, and must be ordered separately.*

