Nexans

TOCB
Optical Subrack 12/48 with an Optical jumpers storage module

The 12/48 fibre cable-end jumpering module is used to organise frontal jumpering of optical leads. It is the final transmission element before the electronic equipment. This subrack module is designed for standard frames. This subrack can also be easily integrated in frames fitted with the active equipment to interconnect them or onto the passive optical distribution frame.

Function :

By grouping the two functions together, the combined splicing patching module is used to connect maximum 24 fibres (1U subrack) or 48 fibres (2U subrack) cables while still retaining operational convenience (patch panel available for all types of existing connectors).

The proximity of the two functions also results in a reduction of pigtail lengths. With a second module, its possible to add a coiling function for the patchcords.

Description :

The combined function module includes a space reserved for splicing of the incoming tubed fibres, as well as a frontal space devoted to patching.

Splicing is performed with conventional cassettes.

Patching function is effected on panels which can be pre-equipped or not with adaptors to allow the connection of the optical fibres.
Each shelf-unit can have up to 24 or 48 adaptors. The module is compatible with the different formats on the market, e.g. 19", ETSI, or 23".

Cables enter at the rear of the rack. Cables are attached directly to the subrack or to the frame. The design of this subrack makes it possible to use the various existing cable structures (indoor or outdoor cabling, slotted core or tube structure, monomode or multimode fibres, unitary or ribbon structure, etc …).

The module is made up of the following :
- a fixed part which is attached to the frame,
- a plate mounted on slides,
- a location for one to four splicing cassettes (12 splices each)
- a device for storing excess lengths of pigtails.

This subrack also comes in a version that is equipped for the management of excess lengths of jumpers. In this case, it is combined with a jumper storage module which is fixed underneath the movable part of the rack.

Dimensions 24 capacity :

| 1U (patching/splicing) |
| 2U (with coiling) |
| 240 mm depth |
| 19" large |
| Color: RAL 9002 |

Dimensions 48 capacity :

| 2U (patching/ splicing) |
| 4U (with coiling) |
| 240 mm depth |
| 19" large |
| Color : RAL 9002 |

Reference system :

TCOB

A module can be made up and ordered as a single article, using the following reference system :

Type of module	
E	Elementary module
U	Subrack module

00-48	Maximum capacity

Type of patching panel			
SC	SC/EC/E2000	FC	
XX	Others	ST	

00-04	Number of cassettes

Format of the cabinet	
U19	19" rack included
UET	ETSI rack
U23	23" rack

Adaptors types					
0	None	A	SC/APC	B	FC/APC
C	ST/UPC	D	LC/UPC	E	others
F	SC/UPC	G	FC/UPC	H	E 2000

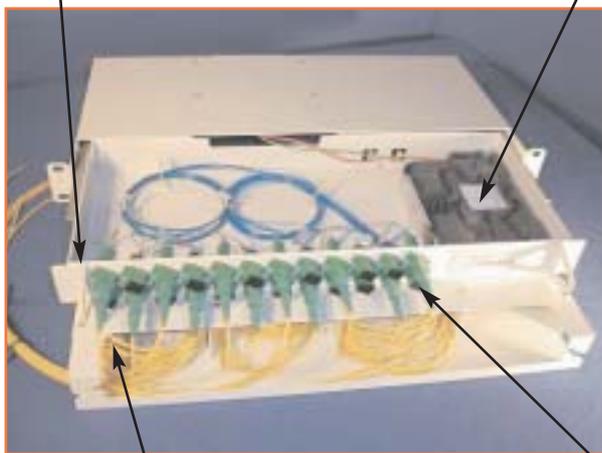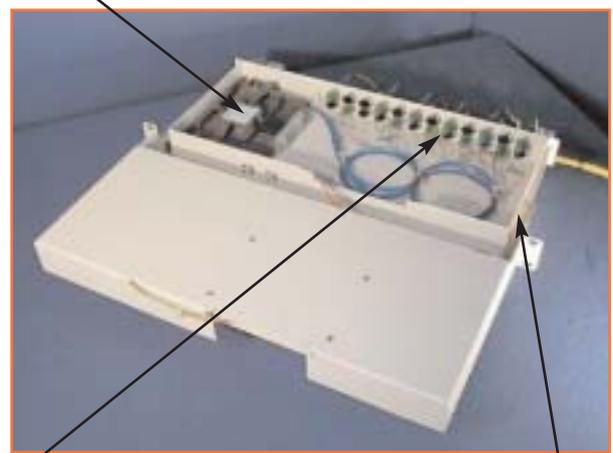| 00-48	Number of adaptors
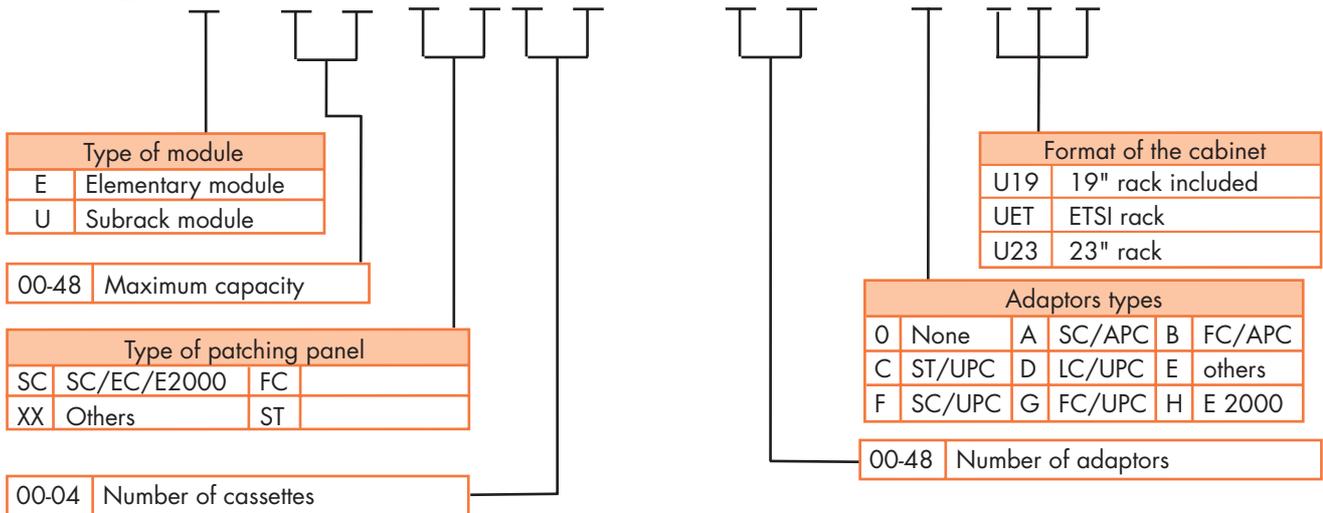
Example : Optical subrack 24 adaptors with or without coiling module

Patching module 1U

Splice trays

Coiling module 1U

SC adapters

Rail for access

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