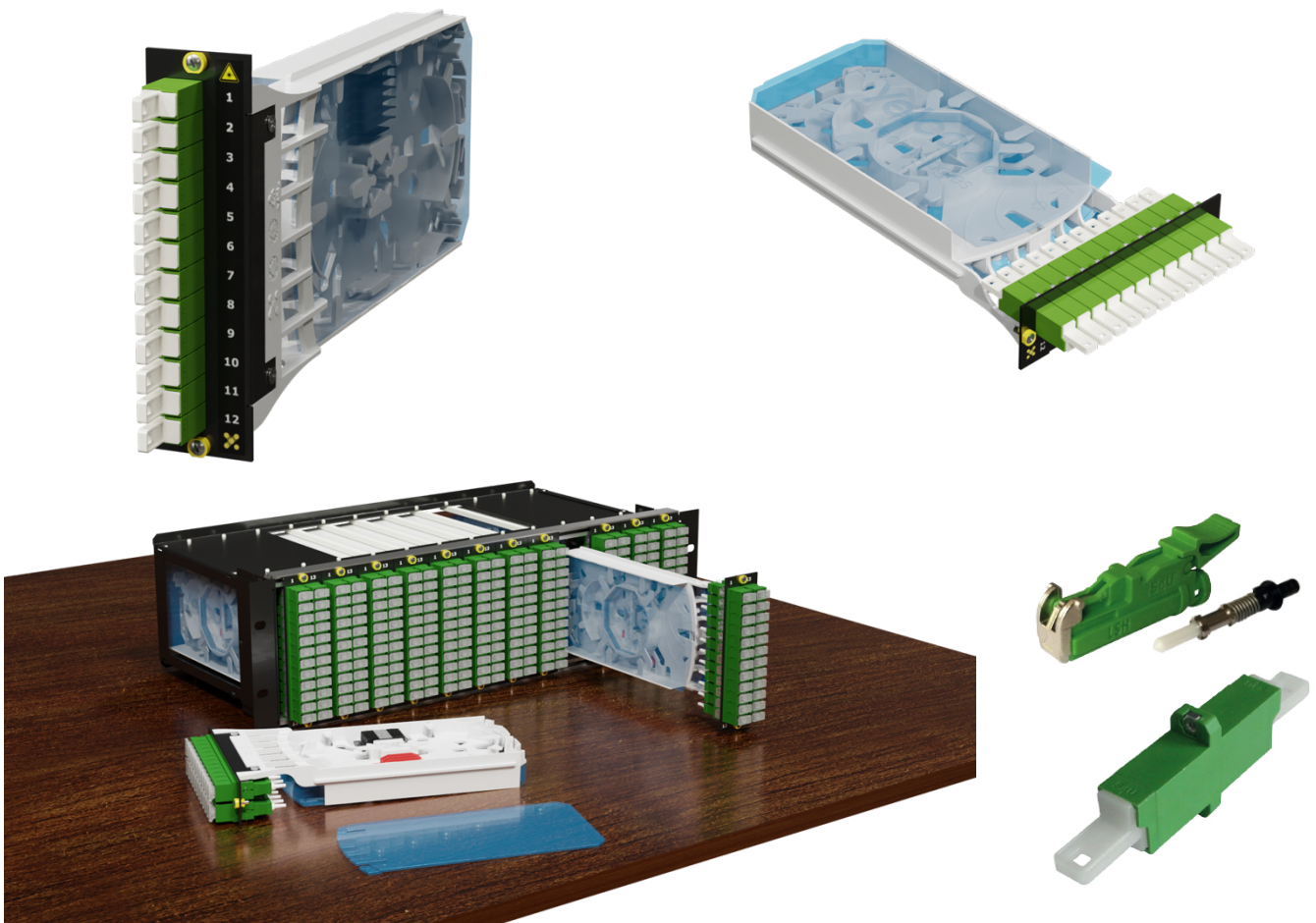# FiberOptic Compact Module 7hp 12x LSH connector

Compact module, 3U height and 7hp width for the installation of single 3U sub-rack system

Each unit has the maximum capacity of 12 optical connections in LSH but also can be assembled with SC or LC connector.

The front plate has identification by means of being able to identify the optical ports.

The module is packaged in a unique cardboard box including splice protectors heat shrink type 45mm length.

There´s the possibility to include optical splitters in various divisional ratios.

## Ready to ASSEMBLE

The module can be assembled in several versions according to each customer specification:

**a) Frontal Panel**
1) Light Grey RAL7035
2) Smooth Black RAL9005

**b) LSH Adaptors**
(1) Simplex with plastic flange and integrated M2 screw nuts
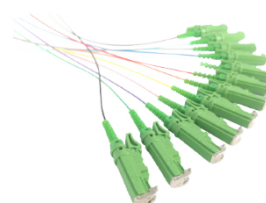(2) Simplex with short flange for snap mount
(3) Simplex HIGH POWER



**c) Pigtails E2000/APC easy strip type**

(1) Type of Fibre
   (a)   G652D
   (b)   G657A2



(2) Easy Strip tube 0,9mm
   (a)   White
   (b)   Yellow
   (c)   12 colors coded in sequence according to customer color code*

(3) Fibre Termination in the fusion zone
   (a)   With termination to 900um staggered ends
   (b)   With 250um termination ends, or be it with bare fibre ends
   (c)   Ready-to-Splice or be it with bare fibre ends and fitted with fusion splice Protectors, duly identified from 1-12
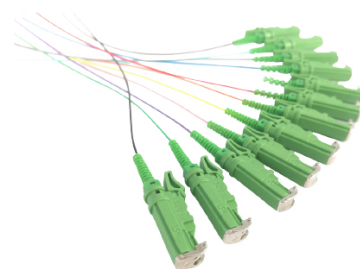
(4) Type of polishing and termination of the SC/APC connector
- (a)      0,1dB Class  ≤ 0,06dB mean |  ≤ 0,15dB 97% of sample
- (b)      Grade B ≤ 0,12dB mean |  ≤0,25dB 97% of sample
- (c)      Grade C ≤ 0,25dB mean |  ≤ 0,50dB 97% of sample
- (d)      HIGH POWER ≤ 0,10dB max.



## * Color code according to standard

| Number | ANSI/TIA-598 | IEC | Deutsche Telekom | Swisscom |
|--------|--------------|-----|------------------|----------|
| 1 | blue | blue | red | red |
| 2 | orange | yellow | green | green |
| 3 | green | red | blue | yellow |
| 4 | brown | white | yellow | blue |
| 5 | gray | green | white | white |
| 6 | white | violet | gray | violet |
| 7 | red | orange | brown | orange |
| 8 | black | gray | violet | black |
| 9 | yellow | turquoise | turquoise | gray |
| 10 | violet | black | black | brown |
| 11 | heather violet | brown | orange | heather violet |
| 12 | turquoise | heather violet | heather violet | turquoise |



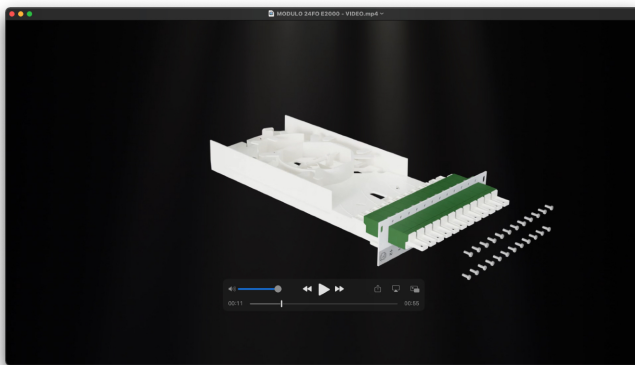## Option to include Optical pre-connectorised Splitters



The optical Splitters that Yelco utilizes in its products are manufactured by ENSURE. With more than 1,5 million splitters manufactured in 2020, ENSURE is world renown by the Telecom industry as being one of the Premium manufacturers for the level of connectivity solutions, offering a quality service above the average.

## Possible Configurations

- 4 units Splitter 1:2
- 2 units Splitter 1:4
- 1 units  Splitter 1:8
- 3 units Splitter 2:2
- 2 units Splitter 2:4
- 1 units  Splitter 2:8

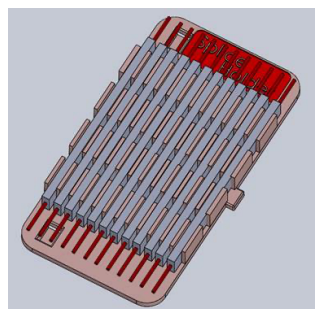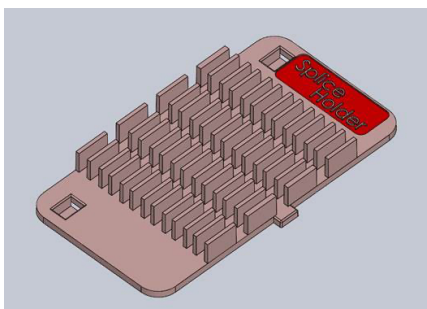## Online Video demonstration





https://drive.google.com/file/d/15ey5tMebjQIcnsGFLf2I1rd7Pdiloitg/view

## Under development

For the German telecom market Yelco is developing a new splice holder for crimp (ANT) type



End of Technical Specification
V2_Proj FA082