

General Information

File name:

Test date:02.01.2024

Test time:08:58:10 (UTC)

Job ID:

Comments:

Customer:

Company:

Locations

|                  | Location A       | Location B |
|------------------|------------------|------------|
| Operator         |                  |            |
| Model            | MAX-730C-SM2-EA  |            |
| Serial number    | 1600084          |            |
| Calibration date | 25.01.2023 (UTC) |            |

Identifiers

| Cable ID | Fiber ID |
|----------|----------|
|          | Fiber12  |

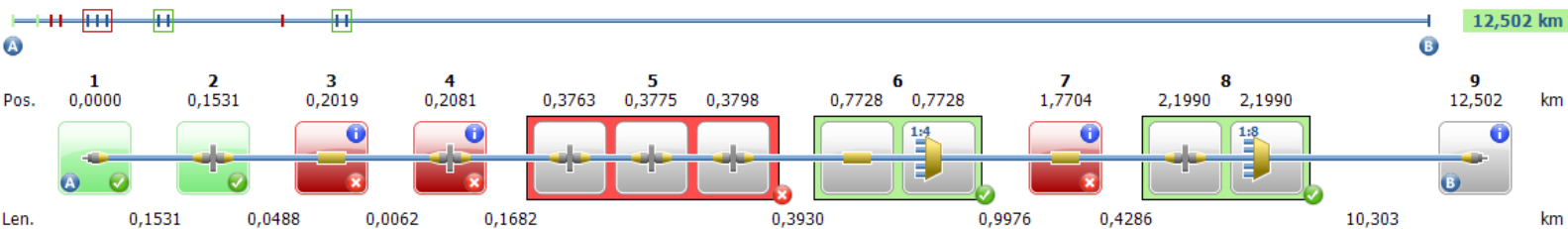
iOLM Results

Link length:12,502 km

Acquisition status:Completed

| Wavelength (nm) | Link Loss (dB) | Link ORL (dB) |
|-----------------|----------------|---------------|
| 1625            | 32,581         | 47,79         |

Link View



Element Table

| Type                                                                                                                                                                                                                       |   | No. | Pos.<br>(km) | Loss (dB) | Refl. (dB) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----|--------------|-----------|------------|
|                                                                                                                                                                                                                            |   |     |              | 1625 nm   | 1625 nm    |
| Connector                                                                                                                                                                                                                  | A | 1   | 0,0000       | 0,288     | -62,4      |
| Connector                                                                                                                                                                                                                  |   | 2   | 0,1531       | -0,314    | -78,8      |
| Splice                                                                                                                                                                                                                     |   | 3   | 0,2019       | 1,191     | ---        |
| • Make sure that the fiber is properly spliced. The loss could be due to a low-reflectance (APC) connector. Change element type as needed. • Possible macrobend. Inspect the fiber in this area to find excessive bending. |   |     |              |           |            |
| Connector                                                                                                                                                                                                                  |   | 4   | 0,2081       | 1,021     | -72,9      |
| • The connector or bulkhead is damaged, dirty or not well connected. Inspect and clean as needed.                                                                                                                          |   |     |              |           |            |
| Group                                                                                                                                                                                                                      |   | 5   | 0,3763       | 11,175    | -62,2      |
| + Connector                                                                                                                                                                                                                |   |     | 0,3763       | ---       | -68,8      |
| + Connector                                                                                                                                                                                                                |   |     | 0,3775       | ---       | -67,9      |
| + Connector                                                                                                                                                                                                                |   |     | 0,3798       | ---       | -62,2      |
| Group                                                                                                                                                                                                                      |   | 6   | 0,7728       | 6,776     | ---        |
| + Splice                                                                                                                                                                                                                   |   |     | 0,7728       | 6,776     | ---        |
| + Splitter*                                                                                                                                                                                                                |   |     | 0,7728*      | ---       | ---        |
| Splice                                                                                                                                                                                                                     |   | 7   | 1,7704       | 0,360     | ---        |
| • Make sure that the fiber is properly spliced. The loss could be due to a low-reflectance (APC) connector. Change element type as needed. • Possible macrobend. Inspect the fiber in this area to find excessive bending. |   |     |              |           |            |
| Group                                                                                                                                                                                                                      |   | 8   | 2,1990       | 7,517     | -62,9      |
| + Connector                                                                                                                                                                                                                |   |     | 2,1990       | 7,517     | -62,9      |
| + Splitter*                                                                                                                                                                                                                |   |     | 2,1990*      | ---       | ---        |
| Connector                                                                                                                                                                                                                  | B | 9   | 12,502       | ---       | -29,3      |
| • To measure end-to-end loss and ORL including the last element, a receive fiber is required.                                                                                                                              |   |     |              |           |            |

iOLM Pass/Fail Thresholds

|                             | Wavelength<br>(nm) | Fiber Section<br>Attenuation<br>(dB/km) | Link Loss (dB) |        | Max. ORL<br>(dB) | Link Length (km) |        |
|-----------------------------|--------------------|-----------------------------------------|----------------|--------|------------------|------------------|--------|
|                             |                    |                                         | Min.           | Max.   |                  | Min.             | Max.   |
| Custom Pass/Fail Thresholds | 1625               | ---                                     | 0,000          | 20,000 | 15,00            | 0,0000           | 80,000 |

Custom Pass/Fail Thresholds on Elements

|              | Max. Loss (dB) | Max. Reflectance (dB) |
|--------------|----------------|-----------------------|
|              | 1625 nm        | 1625 nm               |
| Splice       | 0,150          | ---                   |
| Connector    | 0,450          | -60,0                 |
| Splitter 1:4 | 8,500          | -40,0                 |
| Splitter 1:8 | 12,000         | -40,0                 |

iOLM Parameters and Settings

|                     |              |                        |           |
|---------------------|--------------|------------------------|-----------|
| Test configuration: | DefaultSetup | IOR (1550 nm):         | 1,468325  |
| Fiber core size:    | 9 µm         | Backscatter (1550 nm): | -81,87 dB |
| Launch fiber:       | 0,0000 km    |                        |           |
| Receive fiber:      | 0,0000 km    |                        |           |