

## QUICK **INSTALLATION** GUIDE



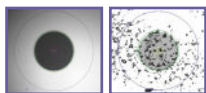
### Check the link

Check that the cable does not exceed the 550 m (1800 ft.) limit and has no defects or breaks (link continuity)



### Check and clean the connectors

Make sure all connectors along the link are clean each time they are connected or disconnected. If necessary, thoroughly clean the connectors using the wipe provided. We recommend performing a visual check with an inspection probe



### Connection

Connect the active equipment using the AROONA-CONNECT converter: single-mode connector (yellow cable) to the single-mode transceiver, multimode connector (orange cable) to the patch panel (one per optical fiber). The jumper can also be installed inside the optical drawer. In this case, use a single-mode patch cord to connect the patch panel to the switch

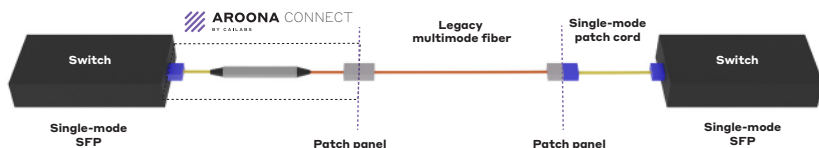


### Service activation or Bit Error Rate (BER) testing

Recommended: BERT or Y.1564  
The bit error rate should be  $<10^{-12}$  after 10 minutes of testing

## Implementation

### ETHERNET LAN



### PASSIVE OPTICAL LAN

AROONA-CONNECT is compatible with POLAN architectures :

- Vertical fiber : connection between OLT and legacy multimode fiber
- Horizontal fiber : connection between optical splitter output and legacy multimode fiber

## Is there a problem on the link?

- Check that all connectors have been cleaned before each connection
- Check that single-mode transceivers (SFP, GBIC) have been used
- Have the multimode jumpers been replaced by single-mode jumpers?
- Does the link have any cross connection points? If yes, you may need to use a 1550 nm transceiver (10GBASE-ER)

A damaged connector or fiber optic cable can significantly reduce the performance of the upgraded link. If you cannot replace the connectors, please contact our after-sales service department for technical support or product return (60 days after purchase max) information at the following address: <https://info.cailabs.com/en/aroona-connect/rma> or by flashing the QR code on the right

