

## OLC-AF Attenuation Reference Fiber (ARF)

### Description:

The OLC-AF, attenuation reference fiber is designed for the calibration of the attenuation scale of SM OTDR. The OLC-AF is wind from defined length of G.652 Single mode fiber or OM2 Multimode fiber. The OLC-AF consists in a fiber spool of a defined attenuation at required wavelength, which is installed in a thermally shielded rack mount optical distribution frame for better stability. The reference fiber is fitted with two APC connectors for single mode and PC connectors for multimode. The attenuation is calibrated at 1310 nm for SM or at 850 nm for MM.



### Features:

- Fiber attenuation 2, 4, 8, 16 dB
- Wavelength 1310 nm SM, 850 nm MM
- Fiber length up to 50 km
- Thermally shielded packaging in ODF
- Various types of optical connectors offer increased versatility and convenience
- Optical connectors are dust and drop protected by a snap-on cover

### Specifications:

Parameter		Note
Fiber length	m	Up to 50 000 (250 μm bare fiber)
Fiber type		SM: G.652.D MM: OM2
Attenuation	dB	2, 4, 8, 16 dB
Connectors Return loss	dB	>60 dB (APC)
Wavelengths	nm	1310 850
Attenuation uniformity D (Δ)	dB	Bidirectional Uni-directional
19" box dimension	mm	1U (HxWxD) 44 x 432 x 265 2U (HxWxD) 88 x 432 x 265

### Application:



#### OLC-AF-PJ2-NPC1-S2D-26K

Single mode attenuation fiber 8 dB  
FC/APC connectors  
2U ODF, G.652D fiber



### 2xOLC-AF-PJ2-NPC1-S2D-6,5/13K

Single mode attenuation fiber 2 dB  
Single mode attenuation fiber 4 dB  
FC/APC connectors  
2U ODF, G.652D fiber



### OLC-AF-PJ1-PC1-OM2-650

Multimode attenuation fiber 1,5 dB  
FC/PC connectors  
1U ODF, OM3 fiber

#### Other type:

**OLC-AF-PJ3-NPC1-S2D-52K** Single mode attenuation fiber 16 dB, FC/APC connectors, 3U ODF, G.652D fiber

#### Ordering code:

##### OLC-AF-PJ1

- AAA

- XXX

- XXXX

##### Packaging<sup>1</sup>:

PJ1-3 ODF 1-3U

##### Fiber<sup>3</sup>:

OM2 50/125 μm  
S2D G.652D

##### Length:

XXXX 100-1000 m  
xxK 1 - 50 km

##### IN/OUT connector types<sup>2</sup>:

NPC FC/APC

1) other on request

2) other connector according relevant datasheet, see CON\_13-01\_EN - ORD\_CODE

3) other on request