

OLC-AF

Attenuation Reference Fiber (ARF)

Single mode / Multimode

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.

Technical parameters:

Parameter	unit	Note
Fiber length	m	Up to 50 000 (250 μ m 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 (λ)	dB	Bidirectional Uni-directional
19" box dimension	mm	1U (HxWxD) 44 x 432 x 265 2U (HxWxD) 88 x 432 x 265

Ordering code:

OLC-AF-PJ1		- AAA -	XXX	-	XXXX
Packaging¹: PJ1-3 ODF 1-3U			Fiber³: OM2 50/125 μm S2D G.652D		Length: XXXX 100-1000 m xxK 1 – 50 km
IN/OUT connector types²: NPC FC/APC					

Note:

- 1) other on request
- 2) other connector according relevant datasheet, see CON_13-01_EN - ORD_CODE
- 3) other on request

Sample of Applications:



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