



IDEAA®

Integrated Distribution Enabling Access Apparatus

AFL's Integrated Distribution Enabling Access Apparatus (IDEAA) product family revolutionizes the way passive optical splitters are deployed in the network. Utilizing a small modular design and leveraging planar waveguide technology to yield an ultra low polarization dependent loss, low insertion loss, and high port uniformity, the IDEAA product possesses the flexibility to be used in a wide variety of applications. The IDEAA module provides a lower cost and more versatile alternative to preexisting PON architecture arrangements. Rather than being confined to a traditional "splitter-in-cabinet" design, the IDEAA product family allows service providers to employ PON architecture across all areas of the network.

The IDEAA module's unique design enables customers to utilize a revolutionary stand-alone mounting capability. In addition to conforming to a number of different applications, each IDEAA module can be mounted as an independent distribution point. This unit can be neatly secured to a wall or even placed on an existing rack or cabinet.

IDEAA SC Module

The IDEAA SC module comes equipped with an internal PLC device which is factory terminated and tested. An integrated hinge provides easy access to the SC adapter interface while reducing space when mounted. The SC module uses APC connectors to meet the strict back reflection requirements of the latest PON architectures. A wide variety of PLC splitter configurations are available.

IDEAA MPO Module

The IDEAA MPO module is also outfitted with PLC technology that is factory terminated and tested. The use of MPO technology allows for mass deployment of PON distribution fibers in Multiple-Dwelling Unit (MDU) applications. Up to three (3) modules can be attached to each other to allow for a maximum deployment of 288 distribution fibers. A wide variety of PLC splitter configurations are available as well.

Direct Wall Mount Capability

The IDEAA product can easily mount to an interior wall without needing any additional enclosures. Simply use the integrated hinge plate to install the module directly to a wall. The module contains port identification for each output fiber.

Applications

- Direct Wall Mount
- Interior Wall Mount Enclosure / Pedestal
- Exterior Wall Mount Enclosure
- Exterior Distribution Enclosure / Pedestal
- Exterior Distribution Cabinet
- Splice Closure – Sealed
- Rack Mount Bracket

Features

- SC Module configuration can accommodate up to a 32 fiber distribution
- MPO Module configuration can accommodate up to a 96 fiber distribution
- Modular design allows for highly flexible and scalable deployments
- Durable hardened plastic exterior provides a rugged encasement
- Single and multi-package modules available

Specifications

PARAMETER	VALUE				
	1 X 4	1 X 8	1 X 16	1 X 32	
	2 X 4	2 X 8	2 X 16	2 X 31	
Wavelength Range (nm)	1280 - 1650				
Typical Insertion Loss (dB)	6.7	9.8	12.9	16.6	
Max Insertion Loss (dB)	7.4	10.5	14	17.5	
Max IL Uniformity (dB)	1	1	1.5	2	
Return Loss (dB)	≥55				
Directivity (dB)	≥55				
Max PDL (dB)	0.3				

Ordering Information

DESCRIPTION	AFL NO.
IDEAA MODULE, SC, 1X32	EA000102
IDEAA MODULE, SC, 1X16	EA000103
IDEAA MODULE, SC, 1X8	EA000104
IDEAA MODULE, SC, 1X4	EA000105
IDEAA MODULE, MTP, 3X96	EA000101
IDEAA MODULE, SC, 2X31	EA000108
IDEAA MODULE, SC, 2X16	EA000109
IDEAA MODULE, SC, 2X8	EA000110
IDEAA MODULE, SC, 2X4	EA000111