

## Solutions for OEM Lab Environments



As part of their strategy for growth, carriers are working to deliver new video and data services as quickly as possible. This translates into more fibers to manage, integration issues and numerous other challenges that need to be addressed up front, not in the field.

As Original Equipment Manufacturers (OEMs) develop the next generation network solutions to deliver services such as IPTV and WiMAX, it is crucial that testing protocols simulate actual environments as closely as possible. Network simulations such as these are necessary for several reasons:

- The carrier end customer must be able to visualize the end-to-end network before it is built
- It is often necessary to model and customize the network configuration to customer specifications
- Interoperability testing must be addressed early in the process
- Network migration must be demonstrated in a controlled setting

SPEC SHEET



[www.adc.com](http://www.adc.com) • +1-952-938-8080 • 1-800-366-3891



# Solutions for OEM Lab Environments

12/09 • 104519AE Solutions for OEM Lab Environments

## For innovative connectivity solutions for the lab environment, look to ADC.

ADC products are right on the mark because our customers are your customers. We work with them every day, and our solutions are located throughout their networks. Operational processes for thousands of craft personnel revolve around our market-leading connectivity and cable management products.

The following pages detail ADC's lab environment solutions that incorporate the robust functionality of our industry-standard products. The solutions allow you to perform nonintrusive testing and to simulate the interconnections between network equipment all the way from the central office through the outside plant to the end customer.

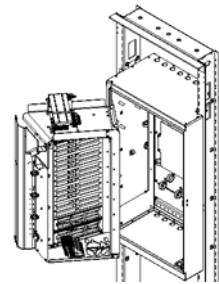
In addition to the products found here, ADC offers a full range of products to support all your lab needs, including fiber cable raceways, fiber and copper patch panels and cable assemblies. Contact ADC to learn how we can help you develop, test and deliver outstanding solutions for your customer.

## OmniReach® Indoor Rack Mount FDH 3000 Solution

ADC's OmniReach FDH 3000 Cabinet is designed from the ground up to meet the needs of carriers. The indoor rack mount FDH 3000 solution is flexible and modular, featuring standardized splitter modules and accessories.

### Features

- Three sizes available: 72, 288, 432
- Scalable in counts of 72
- Uses standard FDH 3000 splitter
- Mounts on rack or wall
- Indoor rated
- Lockable



### Ordering Information

Description	Catalog Number
72-fiber ribbon APC SC pigtails for spliced distribution, no splitters, 12-fiber ribbon APC SC pigtails for spliced feeder	FD3-MK072J00000F0A
288-fiber ribbon APC SC pigtails for spliced distribution, no splitters, 12-fiber ribbon APC SC pigtails for spliced feeder	FD3-MM288J00000F0A
432-fiber ribbon APC SC pigtails for spliced distribution, no splitters, 24-fiber ribbon APC SC pigtails for spliced feeder	FD3-MN432J00000F0B



# Solutions for OEM Lab Environments

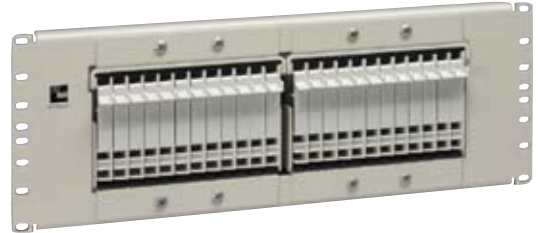
## Outside Plant Network Simulation Products

### OmniReach® Rack Mount Plug-and-Play Chassis

Provides a rack-mounted centralized point for various plug-and-play test applications within the lab environment.

#### Features

- High density plug-and-play splitter chassis
- Features the same plug-and-play splitters used in outside plant distribution hubs.
- 19/23" mounting
- EIA or WECCO
- 24 splitters in 7" (4 RU) rack height
- Optional cable management available (3 RU)
- Allows splitter use with existing patch panels



#### Ordering Information

Description	Catalog Number
OmniReach rack mount plug-and-play chassis with front and rear cable management, splitters ordered separately	FPS-MPPRACKMKT

Solutions for OEM Lab Environments

12/09 • 104519AE



# Solutions for OEM Lab Environments

## Outside Plant Network Simulation Products

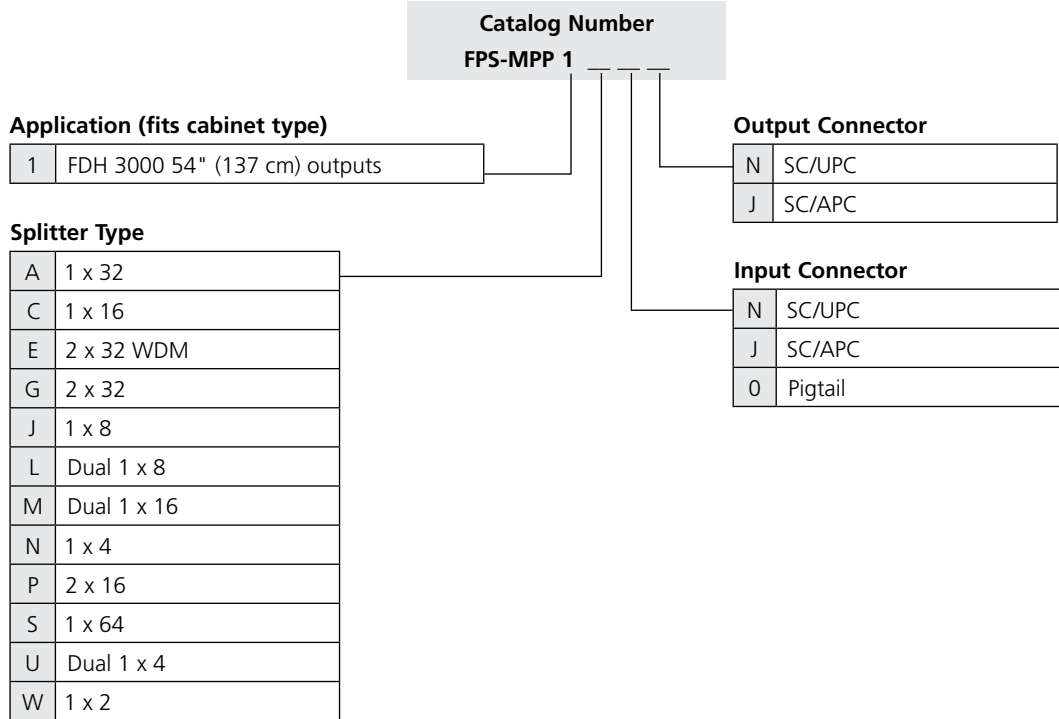
### OmniReach® Mini Plug-and-Play Splitter Modules

#### Features:

- Bend-optimized fiber and ruggedized extreme temperature cabling
- Operating temperature range -55° to +85° C
- Superior loss performance at 1490 and 1550 wavelengths
- Easy to insert and remove without affecting adjacent splitters
- Reversible dust cap makes test and turn-up easy
- Allows pass-through of up to 2 fibers per splitter slot
- Universal module designed for use across applications – cabinets, chassis and frames



12/09 • 104519AE Solutions for OEM Lab Environments



Note: For optical specifications, please contact ADC Technical Assistance Center.



# Solutions for OEM Lab Environments

## Outside Plant Network Simulation Products

### OmniReach® Hardened Connector Test/Lab Cables

ADC's OmniReach Hardened Connector Test/Lab Cables provide an easy, workable interface for lab and test environments.

#### Features

- Hardened connector is terminated on standard 3 mm fiber singlemode cable
- Designed for ease of handling in lab and test environments
- Features the same design as the rugged optical connector for outside plant environments
- Features quick-release optical connector



#### Ordering Information

Description	Catalog Number
Hardened connector to UPC SC, 10'	FHD-HN1R-0010F
Hardened connector to APC SC, 10'	FHD-HJ1R-0010F
Hardened connector to stub, 10'	FHD-H01R-0010F
Hardened connector to UPC SC, 40'	FHD-HN1R-0040F
Hardened connector to APC SC, 40'	FHD-HJ1R-0040F

12/09 • 104519AE Solutions for OEM Lab Environments



# Solutions for OEM Lab Environments

## Network Testing Products

### OmniReach® Hardened Connector Test Kit

A convenient case that provides everything you need to test and clean hardened circuits



#### Ordering Information

Description	Catalog Number
Complete hardened connector test kit	FHD-TKIT-1
Bag for hardened connector test kit	FHD-TKIT-BAG
Test cable, 10' 3.0 mm, hardened connector to standard APC SC connector	FHD-HJ1R-0010F
Test cable, 10' 3.0 mm, hardened connector to standard UPC SC connector	FHD-HN1R-0010F
Test cable, 10' 3.0 mm hardened connector to stub	FHD-H01R-0010F
APC SC to APC SC jumper, 3 meters	FPC-APSC-S-3M
APC SC to UPC SC jumper, 3 meters	FPC-SPSC/APSC-S-3M
Hardened adapter – hardened to standard APC SC	RC-ADP-SCA-SM
Hardened drop cable/adapter cleaning kit; includes hardened connector cleaning cassette (1-150 uses) and fifty (50) hardened adapter cleaning sticks	FHD-ACC-CLNKIT1
MST/Hardened Drop Cable User Manual	ADCP-96-040

12/09 • 104519AE Solutions for OEM Lab Environments



# Solutions for OEM Lab Environments

## Network Testing Products

12/09 • 104519AE Solutions for OEM Lab Environments

### Attenuators

Fiber optic attenuators are optical devices that induce a calibrated fixed loss between two connectors, which dampens, or attenuates, the fiber optic signal.

ADC's full line of attenuators is manufactured to meet the demands of your network. ADC's in-line attenuators are installed between an adapter and connector, and are fused, providing exceptional optical performance.



In-Line FC Attenuator



In-Line SC Attenuator

### Ordering Information

Description	Catalog Number*
<b>LC ultra polish</b>	
05 dB	FOA-INLC05
10 dB	FOA-INLC010
15 dB	FOA-INLC015
20 dB	FOA-INLC020
<b>SC ultra polish</b>	
05 dB	FOA-INSC05
10 dB	FOA-INSC10
15 dB	FOA-INSC15
20 dB	FOA-INSC20
<b>SC angled polish</b>	
05 dB	FOA-INASC05
10 dB	FOA-INASC10
15 dB	FOA-INASC15
20 dB	FOA-INASC20
<b>FC ultra polish</b>	
05 dB	FOA-INFC05
10 dB	FOA-INFC10
15 dB	FOA-INFC15
20 dB	FOA-INFC20

\* Other attenuation values and connector styles are available upon request. Please contact ADC Technical Assistance Center.

SPEC SHEET



**Website: [www.adc.com](http://www.adc.com)**

From North America, Call Toll Free: 1-800-366-3891 • Outside of North America: +1-952-938-8080

Fax: +1-952-917-3237 • For a listing of ADC's global sales office locations, please refer to our website.

ADC Telecommunications, Inc., P.O. Box 1101, Minneapolis, Minnesota USA 55440-1101

Specifications published here are current as of the date of publication of this document. Because we are continuously improving our products, ADC reserves the right to change specifications without prior notice. At any time, you may verify product specifications by contacting our headquarters office in Minneapolis. ADC Telecommunications, Inc. views its patent portfolio as an important corporate asset and vigorously enforces its patents. Products or features contained herein may be covered by one or more U.S. or foreign patents. An Equal Opportunity Employer

**104519AE 10/09 Revision © 2009, 2008, 2007 ADC Telecommunications, Inc. All Rights Reserved**