

FieldSmart[®]

576-Port FAC Fiber Insert



Application

Clearfield's FieldSmart 576-port FAC Fiber Insert has been designed to maximize fiber distribution capability specifically for the FAC 3200 and the FAC 5400. The FAC Fiber Insert provides up to 576 internal fiber distribution ports using a modular, high-density fiber insert along with complementary splitter capacity and advanced fiber management. One insert fills the splicing bay in a FAC 3200 cabinet. The modular design allows 2 inserts to be stacked for up to 1152 internal ports in the FAC 5400 enclosure.

Description

The FieldSmart 576-port FAC Fiber Insert has space for up to 24, 12-fiber Clearview Black Cassettes on the left of the panel and 24 on the right. The top slots on either side are intended for up to 24 ports of feeder fiber connections for PON via a customized tie-plate. Splitter density is maximized using splitter modules that stack together in a top-loaded "Splitter Cage" design. Pre-terminated splitter input/output legs are manufactured with bend insensitive fiber (G.657.A) and ruggedized jackets for harsh environments. Each splitter ships pre-parked within a disposable, WaveSmart Optical Staging Plate, enabling the customer to simply place the splitter into the splitter cage, route pre-parked jumpers up to the staging plate storage area and deploy subscriber circuits from there. Due to the highly configurable design of the FieldSmart 576-port FAC Fiber Insert, splitters and WDM components can also be deployed in the Clearview Cassette. For optimum flexibility and crush resistance, ruggedized cabling is used throughout.



Features and Benefits

Integrity

- Terminations are designed and tested to Telcordia GR-326
- Clearfield[®] FiberDeep[®] Guarantee: 0.2 dB insertion loss or less, exceeding industry standards
- 100% performance tested for insertion loss, return loss and final mechanical inspection

Protection

- Radius protected storage of cabling
- Integrated fiber management protects fiber from micro-bend and macro-bend damage
- 12-fiber Clearview Black Cassette protects fiber from environmental and human factors

Access

- Fiber-first design for access storage and routing of fiber cables and accessories, such as splitters and WDMs
- Easy single fastener for quick removal of individual cassettes for trouble shooting, splicing or replacing

Investment

- Scalable to 576 distributed ports and 24 feeder ports of fiber using Clearview Black Cassettes loaded with the interface of your choice: user-defined feeder/distribution port counts
- Utilizes the Clearview Black cassettes with ribbon cable

FieldSmart® 576-Port FAC Fiber Insert



Technical Specifications

FieldSmart FAC Fiber Insert	
Dimensions	23" W x 32" H x 10" D (584 mm x 812 mm x 254 mm)
Weight	Loaded panel weighs 40 lbs. Fiber cable tail weights vary based on length.
Wired Fiber Capacity/Port Density	Up to 576 SC connector fiber terminations and 24 feeder ports Up to eighteen integrated PON splitters
Cassette Types Supported	Clearview® Black Cassettes
Cable Types	OSP Riser, OSP Non-Rated, OSP Armored
Material	18 gauge cold rolled steel (almond powder coating)

Configured Part Numbers

R B - 1 2 3 4 5 6 7 8 9 10 11 12 **- Z**

1 Select Cabinet Style
3 = FAC3200 576-Port PON Insert
4 = FAC5400 1152 PON Insert (2 Pieces)

2 Select Upper Feeder Ports
2 = 24 Tie Ports
Z = No Feeder

3 Select Lower Feeder
2 = 24 Tie Ports
Z = No Feeder

4 Select Distribution Port Count
0144 = 144 0864 = 864
0288 = 288 1008 = 1008
0432 = 432 1152 = 1152
0576 = 576 0000 = None
0720 = 720

5 Select Connector Type
A = SC/UPC
C = SC/APC
F = LC/UPC DX
H = LC/APC DX
Z = No Connectors

6 Select Fiber Type
1 = SM (Non-Ribbon)
2 = SM Ribbon

7 Select Cable Type
B = OSP Riser
E = OSP (Non-Rated)
M = OSP Armored (Non-Rated)
Z = None

8 Select Upper # of 288 Fiber OSP Cables
0 = 0
1 = (1) 288
2 = (2) 288

9 Select Upper # of 144 Fiber OSP Cables
0 = 0
1 = 1
2 = 2
3 = 3
4 = 4

10 Select Lower # of 288 Fiber OSP Cables
0 = 0
1 = (1) 288
2 = (2) 288

11 Select Lower # of 144 Fiber OSP Cables
0 = 0
1 = 1
2 = 2
3 = 3
4 = 4

12 Select Length
XXXM
XXXF

