432 Fiber Distribution Cabinet
High Density Cabinet Designed for FTTx Splitter Applications

Features

Fiber Distribution:
• Serves up to 432 homes
• Pre-connectorized cable installed for rapid deployment
• Unique design minimizes fiber routing congestion

Integrated Cross-Connect System:
• Optional patch panels enable easy provisioning up to 10 businesses requiring dedicated connections

Direct Connect 1x32 Splitters:
• Small size and unique design enables high-density, low-loss solution
• Scalable usage with Splitter to SC fanouts

Benefits

Intuitive design provides for easier and faster splitter deployment:
• DirectConnect splitter design allows incremental usage of splitters to reduce congestion inside the cabinet

Environmentally friendly cabinet size:
• Small footprint and size minimizes visual impact relative to competing solutions

Excellent optical performance:
• Best-in-class LCA / SCA connectors with low loss
• Uses thermally stable PLC splitters from Furukawa Electric

Available with more options:
• Pad or Pole mounting – both easy to handle, place and use
• Choose the cable
• Choose the connector
• Over provisioned feeder can be added (please see below in the cross connect note)

Easier Splitter Upgrade:
• Splitter module with connector interface allows for potential splitter/optical path upgrades with minimal effort and/or disruption
Product Description

Designed to serve up to 432 homes in existing neighborhoods or “overbuild” situations, this high density Fiber Distribution Cabinet (FDC) combines simplified fiber routing management with OFS’ DirectConnect splitter’s excellent optical performance and reliability.

The 432 FDC employs either SC or LC / APC connectors on the splitter leads, and uses OFS’ bend-optimized AllWave® FLEX Zero Water Peak (ZWP) Fiber to minimize bending losses.

The rugged and unique design supports PON and limited numbers of Point-to-point customers.

Cabinet Attributes:

Physical Specifications:
- Cabinet: 36” H x 24” W x 18” D

Physical Makeup:
- Easy-to-remove swing-out equipment mounting frame
- Front access door and rear access panel (can be padlocked for security)
- Rear cable storage vault eliminates underground vault and closure
- Pad mounting skirt for easy installation
- Removable rear panel allows the cabinet to slide over conduit, facilitating installation
- Aluminum construction and powder coat paint for long life cycle
- Designed for NEMA4 protection
- Pole and pad mountable

432 FDC Ordering Information

Example: FDC432-SCA-02-PL-12YT-02-02-100-F

Part Number: FDC432-aaa-bb-cc-dddd-ee-ff-nnn-g

aaa = Connector Type
- SCA = SC Angled
- LCA = LC Angled (available upon request)

bb = Feeder Cable Type
- 01 = Single 12 Fiber Upjacketed Cable
- 02 = Single 24 Fiber Upjacketed Cable
- 03 = Single 48 Fiber Upjacketed Cable

cc = Mounting Type
- PL = Pole Mount
- 06 = 6 inch Pedestal Pad Handhole
- 36 = 36 inch Pedestal Handhole

dddd = Cable Type
- 12YT = Loose Tube Dielectric
- H2YT = Loose Tube Metallic

ee = # of Distribution Cables
- 01, 02 or 03

ff = # of Cable Fibers
- 01 = N/A
- 02 = 144 / 288
- 03 = 144 / 144 / 144

nnn = Length Stub = 001 - 999

g = Unit of Measure
- M = Meters
- C = Centimeters
- F = Feet
- I = Inches

Accessories: 300563715 – 1x32 Direct Connect Splitter

For additional information please contact your sales representative.
You can also visit our website at www.ofsoptics.com or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.