FIBER SCALABILITY CENTER

Applications

Provides an interconnect environment from the feeder network through the optical passive splitter to the distribution network in an FTTH PON OSP cabinet.

Features and Benefits

INTEGRITY
- 100% tested GR-326 compliant terminations
- GR-20, GR-409, GR-487, GR-1221 and GR-1209 compliant
- RUS listed

PROTECTION
- Clearview Cassette houses each 12-fiber assembly, protecting the fiber from environmental and human factors, ensuring all the basics of fiber management are met
- IFC slack storage is now accomplished within the protected environment of the cassette – isolating the fiber from human and environmental hazards. With the overall jacket no longer required, cable pile-up is eliminated
- When open, hinged bulkhead secures to door, protecting fiber from environmental factors and accidental damage
- Splitters are pre-terminated and then shipped in the Clearfield Splitter Parking Block
- Splitter input/output legs use bend-insensitive fiber with a rugged poly urethane jacket that remains flexible and resists sagging in temperature extremes
- Ruggedized cable clamp protects against twisting and pistoning at the critical breakout point of the OSP assembly
- OSP assembly fibers fully protected with ruggedized bend limiting tubing
- Snakeskin sleeving provides additional buffer tube slack storage protection for patch and splice applications

ACCESS
- Clearview Cassette allows visual troubleshooting without opening cassette
- Hinged bulkhead provides quick access to the splitter storage area and main feeder and distribution trunks
- Integrated IFC slack storage within the Clearview Cassette eliminates the cable pile-up that often occurs in a traditional fiber management environment
- Access to shielded grounded cables through "locate box" performed without having to open main door
- Like the distribution network, the Clearview Cassette is terminated to the feeder network. Additional Clearview Cassette positions are available, whereby users can provide an "expressway" feature to patch splitter input pigtails to the feeder network from the front of the cabinet; additional expressway slots allowing for pass-through of extension and parallel network fibers are also available
- Front access to pre-terminated assemblies with Clearview removable adapter plates for testing, cleaning and maintenance
- Offset faceplates offer easier access to individual jumpers
- Optimal cable organization through the use of radius limiting spools, complete route diversity and integrated cable management
- Easy jumper identification through intuitive and diverse cable routing schemes
- Entire Clearview Cassette removable for hot-swapping capability

INVESTMENT
- All fibers are deployed in increments of 12, providing users the ability to scale from 12 ports to full configuration without cost penalty
- A single cabinet size supports multiple port counts, allowing service providers to design to a serving area environment of up to 576 homes in one small footprint
- Express ports allow for extensions or parallel networks through the cabinet
- Small splitter package with ruggedized materials and bend insensitive fiber
- Low splitter loss allows for optimization of active gear optical budget

FieldSmart FSC PON
FIBER SCALABILITY CENTER

Specifications

Features	96	192	288	576
Dimensions	28 x 20 x 16	28 x 20 x 16	28 x 20 x 16	28 x 20 x 16
Pole Mount	Yes	Yes	Yes	Yes
Pad/Vault* Mount	Yes	Yes	Yes	Yes
Splicing Method	Within Clearview Cassette	Within Clearview Cassette	Within Clearview Cassette	Within Clearview Cassette
Maximum Houses Passed	144	216	432	624
Maximum Houses Served	96	192	288	576
Available Express/Feeder Ports	48	24	24	48
Splitter/Distribution Ratio	1:1	1:1	1:1	1:1
Number of Distribution Cables Supported	8	10	10	10

* See www.ClearfieldConnection.com for custom grade-level vault configurations.

Part Numbers

FieldSmart PON	96	192	288	576	OSP Tail Length
W"xH"xD"	31 x 37 x 20	31 x 37 x 20	31 x 37 x 20	31 x 37 x 20	
SC	RK1-096-A1B-010 030M	RK1-192-A1B-020 030M	RK1-288-A1B-200 030M	RK2-576-A1B-400 030M	Patch 30M
	RK1-096-A1B-010 015M	RK1-192-A1B-020 015M	RK1-288-A1B-200 015M	RK2-576-A1B-400 015M	Patch 15M
	RK1-096-A1A-000	RK1-192-A1A-000	RK1-288-A1A-000	RK2-576-A1A-000	Patch Splice
SC APC	RK1-096-C1B-010 030M	RK1-192-C1B-020 030M	RK1-288-C1B-200 030M	RK2-576-C1B-400 030M	Patch 30M
	RK1-096-C1B-010 015M	RK1-192-C1B-020 015M	RK1-288-C1B-200 015M	RK2-576-C1B-400 015M	Patch 15M
	RK1-096-C1A-000	RK1-192-C1A-000	RK1-288-C1A-000	RK2-576-C1A-000	Patch Splice
LC	RK1-096-F1B-010 030M	RK1-192-F1B-020 030M	RK1-288-F1B-200 030M	RK2-576-F1B-400 030M	Patch 30M
	RK1-096-F1B-010 015M	RK1-192-F1B-020 015M	RK1-288-F1B-200 015M	RK2-576-F1B-400 015M	Patch 15M
	RK1-096-F1A-000	RK1-192-F1A-000	RK1-288-F1A-000	RK2-576-F1A-000	Patch Splice

FieldSmart Cabinet - patch only. Preloaded with a 15/30 meter XXX-fiber OSP riser rated loose-tube assembly terminated into qty "X" cassettes and installed into FSC. Splitters configured/sold separately.

FieldSmart Cabinet - patch & splice. Preloaded with qty "X" Clearview Cassettes, for feeder & distribution network, each loaded with a terminated 2-meter 12-fiber 900um assembly. Splitters configured/sold separately.

**Additional partial load configurations available in 12-port increments up to full capacity of cabinet (576). Please call your salesperson for assistance in configuring to your network needs.