

## DATA SHEET

### DESCRIPTION

Custom Cable offers solutions for the rapid deployment of FTTx networks in Multiple Dwelling Unit (MDU) applications. The wall mount enclosure provides a flexible solution, and houses all optical splitters, splice trays, and termination of Drop cables in a small footprint. This distribution terminal solution, provides significant space savings, while allowing hand access to all connectors. The Splice/ Drop solution allows for a de-centralized optical network Terminal (ONT) distribution within the MDU, offering an economical deployment solution.

The splicing of fiber optic drop cables inside the MDU, offers a straightforward deployment solution, utilizing single fiber drop cables, from the distribution point to each of the individual living units. The drop cable is typically terminated to a wall outlet splice box inside or close to the living unit. A fiber optic patch cord makes the final connection from the wall outlet to the ONT. PLC splitters are factory integrated into the distribution terminal typically located in the basement or maintenance closet.

Fiber drop cable assemblies are manufactured in our GR-326 certified US facility, and utilize bend insensitive optical fiber. High density 1.6mm indoor drop cables for routing in duct as well as ruggedized 4.8mm Indoor/ Outdoor cables that eliminate the installation of micro-duct are available. Custom PLC splitter configurations to meet architecture requirements also provided

### APPLICATIONS

- MDU deployments from 3-10 floors
- Splice/ Drop FTTx Solution
- Duct drop installation of small indoor cable
- Free routing of ruggedized drops for existing MDU infrastructure
- New or existing MDU developments

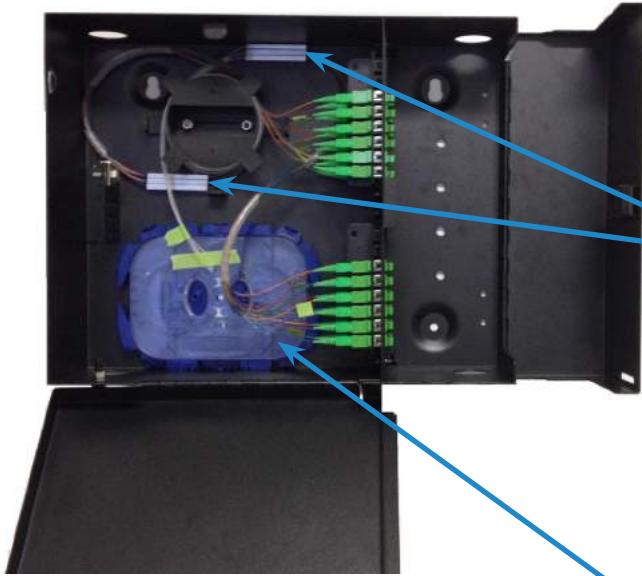
### FEATURES AND BENEFITS

- Pre-terminated solution for reduced installation time
- Integrated PLC splitters per network requirements
- Drop Cables utilizing reduced bend radius fiber
- Accommodates up to 48 ports (SCA)
- Easy troubleshooting of service issues

## Multi-Dwelling Unit (MDU) Splice & Drop FTTx Solution



## INTERGRATED 24 PORT DISTRIBUTION BOX

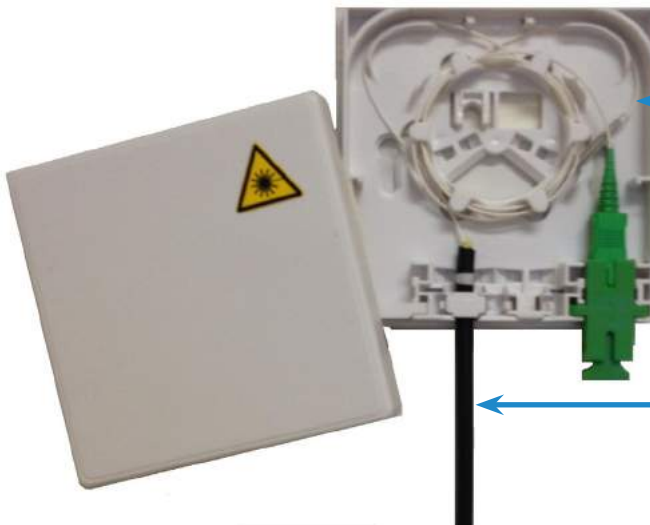


Wall Mount Lockable Enclosure	
Element	Value
H x W x D	290mm x 362mm x 107mm
Net weight	4.6kg
Packaged weight	5.2kg
Suitable for adapter type	LGX / MTP Cassettes
Number of module positions	4
Material	Cold-rolled steel
Material thickness	2.5mm
Material finish	Powder coating
Color	RAL 9004
Operating Temperature	-40°C to +60°C

PLC Splitter	
Element	Value
Channel Number	1x4
Operation Wavelength	1260 ~ 1650nm
Test Wavelength	1310/1550
Insertion Loss (w/ connector)	≤ 7.8dB
Uniformity	≤ 0.8dB
Polarization Dependent Loss	≤ 0.3dB
Return Loss	≥ 55dB
Directivity	≥ 55dB
Fiber Type	G.657 Singlemode
Pigtail Type	900um Loose Tube
Connector Type	SC/ APC
Package Dimension	Blockless Design
Operating Temperature	-40°C to +85°C

Fiber Splice Tray	
Element	Value
H x W x D	13mm x 168mm x 124mm
Net weight	81g
Splice Capacity	24 Heat Shrink Splices
Material	ABS Plastic
Color	Blue
Operating Temperature	-40°C to +50°C

## WALL OUTLET MODULE / 4.8MM SCA DROP



Wall Fiber Optic Outlet Module	
Element	Value
H x W x D	15mm x 90mm x 90mm
Inlets for Cable	4
Input Cable Diameter	3-7mm (from bottom or back)
Max Capacity	2 Fibers
Material	ABS Plastic
Color	White
Operating Temperature	-40°C to +50°C

Fiber Drop Cable	
Element	Value
Connector Style	SC/ APC
Cable (rugged)	4.8mm Indoor/ Outdoor
Fiber Type	G.657A.2 BIF Singlemode
Length	Custom
Insertion Loss	< 0.20dB
Return Loss	< -65dB
Operating Temperature	-40°C to +85°C

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