

# MDU Application

## Simplex Indoor/Outdoor

### Cable Assemblies

### Custom Fiber Indoor/Outdoor Assemblies

Our high-quality fiber assemblies are designed to meet the needs of fiber installations in Multiple Dwelling Units (MDU). The requirements of Fiber to the Home (FTTH) installations and upgrades dictate the use of specific cables and connectors as found in our MDU series.

*Built to meet the rigors of your system's requirements.*

### Features

Assembly uses drop cables engineered to meet the various space and environmental requirements for installing fiber in an MDU application. Design allows for assembly to be installed in current buildings where there may often be tight bend radii and limited space, including 90 degree corners.

Compact and easy installation decreases the impact to existing tenants and allows for projects to finish in a timely fashion.

Assembled in the USA.

### Available Options

Built with SC-APC Polish connectors as a patch cord or pigtail assembly.

Single-mode Simplex MDU Indoor/Outdoor Ruggedized Cable with bend tolerant fiber.

Jacket Diameter:

- 3.0 mm
- 4.8 mm

Jacket Color:

- Black
- Ivory

### Application

Ideal for use in an MDU setting

- FTTH
- LAN
- CATV Video Networks/Security

### Durability

Indoor/Outdoor cable designed for both rigorous outdoor conditions and indoor routing.

Cable jacket is UV, fungus, and moisture resistant.

Design includes water-blocking aramid yarn strength members.

Cable suitable for tight bend environments.

Connectors exceed industry standards for mechanical performance, optical performance, and reliability.

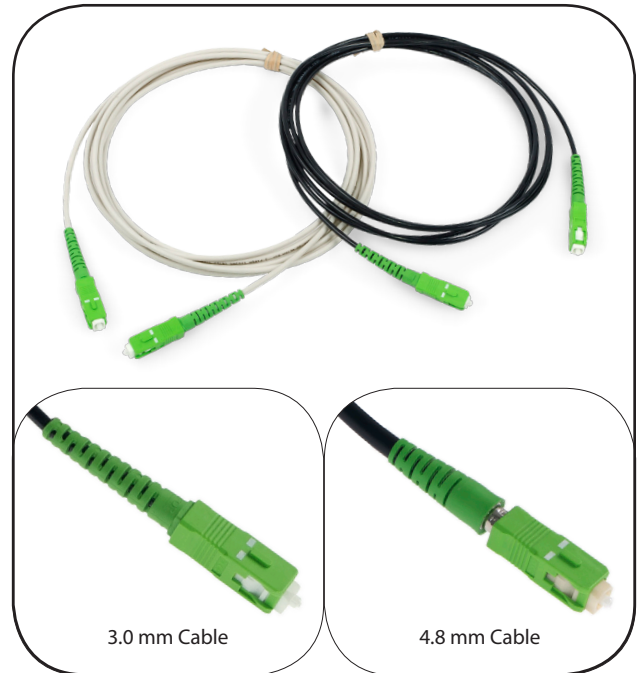
### Agency / Standard Compliance

#### Cable:

- RoHS/REACH Compliant
- ANSI/TIA 568
- ITU-T G.657.A1
- Verizon TPR 9424 Issue 2
- ETL Listed Type OFNR
- ETL Listed Canadian FT4
- Telcordia GR-20-CORE Water Penetration Requirements

#### Connector:

- RoHS/REACH Compliant
- ANSI/TIA 568
- TIA 604
- Telcordia GR-326
- EIA/TIA 455-3



### Parameter

Operating Temperature  
Cable Outside Diameter:  
Cable Bend Radius  
  
Cable Jacket Color:  
Connection Durability:  
Cable Tension:

### Specification

-40°C + 75°C (- 40°F + 167°F )  
3.0 mm / 4.8 mm  
4.5 cm / 4.8 cm Operation  
4.5 cm / 7.2 cm Installation  
Black or Ivory  
500 matings  
200 N (40 lbs) Operation  
445 N (100 lbs) Installation

### Testing Limits

Wavelength  
Insertion Loss  
  
Return Loss

1310 nm  
0.20 dB Typical  
0.50 dB Maximum  
-68 dB APC Typical  
-65 dB APC Maximum

