

MiniFlex™

Plenum Microduct

Authorized Partner

CORE
Telecom Systems

PPC
Innovate. Connect.
A BELDEN BRAND

The plenum microduct provides a protective pathway for cable installation within plenum air space locations. The product is made from highly flame retardant PVDF polymer and it is listed as a UL OFNP product. m2fx has a low friction and low static P-DVC™ liner specially developed to for easy pulling, blowing and pushing of fiber cable.

Miniflex™ Plenum Microduct is UL approved for use with Plenum rated Fiber Cables and with Miniflex™ PBT Fiber Cable, providing good value and flexible fiberdeployment.



Advantages

- Ultra fire retardant
- Exceptionally low smoke evolution
- Features Miniflex™ technology
- Ultra tough
- Ultra low friction & low static P-DVC™ lining for easy install
- High crush resistance
- Class-leading push and blow ability
- Bend radius of 100mm

Compatibility List

Miniflex™ Plenum Microduct is compatible with:

- Miniflex™ cable (PBT 3mm, 1-12f) and QuikPush PBT products
- Industry standard push fit microduct connectors
- Connects to all other microducts

Installation

Typical push install lengths are 350 feet with 8 evenly distributed 90 degree bends at a radius of 4 inches. Pull lengths of up to 900 feet are also possible, depending on the route.

Installation Applications

- In General Plenum Air Spaces (ceiling voids and false floors)

Standards Approval

- PPC plenum microduct is Listed to UL OFNP class QAZD (Field Assembled Optical Cable) when used with Miniflex™ 1-12 fiber PBT 3mm cable.
- Listing for UL OFNP class QAZM is pending (May 2013)
- We exceed the requirements of The FT4 Fire Test in Canada

Applications

- FTTH/FTTX - Indoor
- Telecoms
- Data Infrastructure
- Commercial FTTP
- Optical LANs, Fiber to the Desk

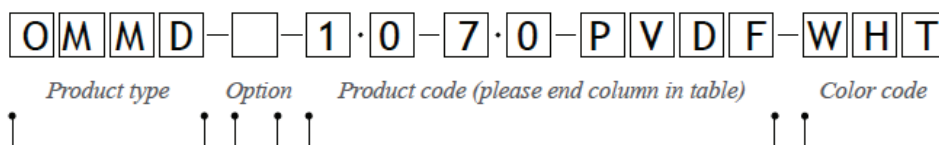
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Enquiry Information: Code Builder



Product Type

OMMD = Optical Fiber Miniflex™ Microduct

Option

Unique Product Code

e.g. 1.0-7.0-PVDF
(end column)

Color Code

(check availability)
WHT = White

Pre-fibered Drop Duct Product List

| Material | OD | ID | Crush | Tension | Nominal Weight | Bend Radius | Bend Radius | Install Temp | Product Code |
|----------|------|------|-------|---------|----------------|-------------|-------------|--------------|--------------|
| | (mm) | (mm) | (n) | (n) | (kg/km) | (Passive) | (Active) | (Celsius) | |
| PVDF* | 10 | 7.0 | 1000 | 250 | 26.5** | 10x OD | 5x OD | -10 to +60 | 1.0-7.0-PVDF |

*with increased LOI and reduced smoke output

**reel size 300 meters (1000 feet)

Environmental Conditions:

Operating
Temperature:
-10°C / +60°C