

# Miniflex®

## Plenum Microduct



### Features & Benefits

- Ultra fire retardant per UL 1666
- Exceptionally low smoke evolution
- Features Miniflex® technology
- Ultra tough
- Ultra low friction & low static DVC lining for easy install
- High crush resistance
- Class-leading push and blow ability
- PPC plenum microduct is Listed to UL OFNP class QAZD (Field Assembled Optical Cable) when used with Miniflex 1-12 fiber PBT 3mm cable
- Listed to UL OFNP class QAZD and QAZM
- Exceeds the requirements of FT4 Fire Test in Canada
- Riser Communications Raceway certified (UL2024)

#### Compatibility:

- Miniflex standard cable
- QuikPush® cable assemblies
- Industry standard push fit microduct connectors
- Connects to all other microducts



*UL 2024 Plenum Communications Raceway  
File Number E306979 & E548504*

### Overview

PPC's Miniflex 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.

The plenum microduct has a low friction and low static 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 fiber deployment.

Typical push install lengths are 350 ft (106.7 m) with eight evenly distributed 90-degree bends at a radius of 4 in (10.2 cm). Pull lengths of up to 900 ft (274.3 m) are also possible, depending on the route.

### Applications

- General Plenum Air Spaces
- FTTH/FTTX - Indoor
- Telcom Networks
- Commercial FTTP
- Data Infrastructure
- Optical LANs, Fiber to the Desk

This product may be protected by one or more patents • For further information, please visit: [www.ppc-online.com/patents](http://www.ppc-online.com/patents)

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### Technical Data

#### Product Specifications

| Part Number | Color | OD   | ID  | Crush | Tension | Nominal Weight | *Bend Radius |
|-------------|-------|------|-----|-------|---------|----------------|--------------|
|             |       | mm   | mm  | N     | N       |                |              |
| 10-0528     | White | 10.0 | 7.0 | 1000  | 250     | 67.3 kg/km     | 20x OD       |
| 10-0528FT   | White | 10.0 | 7.0 | 1000  | 250     | 45.5 lbs/kft   | 20x OD       |

\*This is the minimum radius to which the microduct should be subjected to once it is installed.

#### Environmental Specification

| Operating Temperature | Installation Temperature |
|-----------------------|--------------------------|
| °C (°F)               | °C (°F)                  |
| -10 to 60 (14 to 140) | -10 to 60 (14 to 140)    |

### Ordering Information

| Part Number | Product Code                  | SKU Length | SKU Weight | Reel Diameter | Reel Weight | Reel Width |
|-------------|-------------------------------|------------|------------|---------------|-------------|------------|
| 10-0528     | MD-P-10.0-7.0-PVDF-WHT-1KM    | 1000 m     | 73.8 kg    | 750 mm        | 6.5 kg      | 400 mm     |
| 10-0528FT   | MD-P-10.0-7.0-PVDF-WHT-3280FT | 3280 ft    | 162.4 lbs  | 750 mm        | 14.3 lbs    | 400 mm     |

Specifications: ISO9001 Production, REACH, ROHS, Certificate of Origin