

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

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Miniflex[®]

Plenum Microduct



Technical Data

Product Specifications

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

*This is the minimum radius to which the microduct should be subjected to once it is installed. This installed radius will make it easier to install the QuikPush[®] cable assembly with a pushable SC connector.

**The bend radius that the microduct can temporarily be subjected to during the installation process. The final, installed bend radius should be as defined above.

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