

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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Technical Data

Product Specifications

Part Number	Color	OD	ID	Crush	Tension	Nominal Weight	*Bend Radius
		<i>mm</i>	<i>mm</i>	<i>N</i>	<i>N</i>		
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
<i>°C (°F)</i>	<i>°C (°F)</i>
-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