

MICROTECHNOLOGY

PLENUM MICRODUCTS

- HDPE MicroDucts available from 5mm OD – 27mm OD
- Available empty, with a single fiber cord (cable) or pull string pre-installed
- Ideal for new construction as well as existing apartment, condominium, or office buildings
- Pre-installed fiber cables provide a substantial cost saving deployment method for FTTX installations with a one-step placement of MicroDuct and fiber cable
- Dura-Line stocks single fiber (SM) cordage for fast deliveries (Riser and Plenum)
- Complete Installation Guides are available, contact Customer Service or our Field Support Staff
- Ships on small, easy to handle reels



INSTALLATION TYPES

Confined Spaces
Interior

**SIZE RANGE AVAILABLE
(OD/ID MM)**

5/3.5	14/11	22/18
8/6	16/13	27/20
8.5/6	18/15	
12.7/10	22/16	

STANDARD COLORS

Opaque White

FEATURES

STANDARD

SPECIFICATIONS/DETAILS Plenum MicroDucts are made from fire retardant materials which are fully ETL approved for Plenum applications. ETL LISTED to UL-2024 & CSA C22.2 No.262-04 and UL-94 V-0 & CSA FT-6

FILL RATIO Choose the correct MicroDuct size based on the Outer Diameter (OD) of desired MicroCable. Dura-Line recommends a fill ratio of 50% to 75% for optimal cable placement performance. Several factors impact jetting distance including the condition of route, bends, and equipment.

CONDUIT MARKINGS Permanent marking along MicroDuct includes: material, relevant standards, production info, and sequential feet or meter markings. Custom options available.

CO-EXTRUDED LINING SILICORE® is co-extruded with the HDPE jacket creating a super slick permanent lining for higher speed cable jetting and longer, easier cable pulls.

INTERNAL RIBS Standard (except 3.5mm ID which are designed with a standard smooth interior)

OPTIONS

PRE-INSTALLED STRING Factory pre-installed Pull String available in MicroDucts to aid in cable placement.

PRE-INSTALLED FIBER Fiber cable or cordage can be factory pre-installed in MicroDucts



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PLENUM MICRODUCTS TECHNICAL SPECIFICATIONS

MICRODUCT SIZE (MM)	NOM OD (MM/IN)	MIN ID (MM/IN)	WEIGHT (LB/FT)	BEND RADIUS SUP (IN)	BEND RADIUS UNSUP (IN)	SWPS (LBS)
5/3.5	5/0.20	3.4/0.13	0.012	2	4	43
8/6	8/0.32	5.8/0.23	0.028	3	6	101
8.5/6	8.5/0.34	6.7/0.26	0.024	3	7	89
12.7/10	12.7/0.50	10.2/0.40	0.052	5	10	188
14/11	14/0.55	11.4/0.45	0.061	6	11	222
16/13	16/0.63	12.8/0.51	0.080	6	13	293
18/15	18/0.71	14.7/0.58	0.097	7	14	352
22/16	22/0.87	16/0.63	0.196	8	17	734
22/18	22/0.87	18/0.71	0.157	16	27	571
27/20	26.7/1.05	20.7/0.81	0.243	16	26	912

† Safe working pull strength is calculated at 80% of tensile or breaking strength

* Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.