

MICROTECHNOLOGY

# RISER MICRODUCTS

- MicroDucts are small, 5mm – 27mm in diameter
- 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)
- Ships on small, easy to handle reels
- Complete Installation Guides are available, contact Customer Service or our Field Support Staff



INSTALLATION TYPES	SIZE RANGE AVAILABLE (OD/ID MM)			STANDARD COLORS
Confined Spaces Interior	5/3.5	12.7/10	18/14	■ ■
	8.5/6	14/10	18/15	
	10/8	16/12	22/16	
	12/10	16/13	27/20	

**STANDARD**

**SPECIFICATIONS/DETAILS** Riser MicroDucts are made from fire retardant materials which are fully approved by the American ETL (Electrical Testing Laboratories) for Riser applications. ETL LISTED to UL-2024 & CSA C22.2 No.262-04 and UL-94 V-0 & CSA FT-4

**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

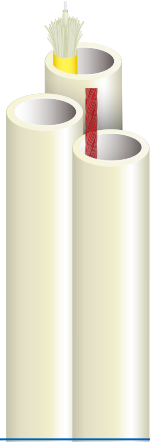
FEATURES



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## RISER 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	0.007	2	4	31
8.5/6	8.5/0.34	5.9/0.23	0.022	3	7	89
10/8	10/0.39	7.9/0.31	0.018	4	8	93
12/10	12/0.47	9.9/0.39	0.026	5	9	106
12.7/10	12.7/0.50	9.8/0.39	0.033	5	10	156
14/10	14/0.55	9.8/0.39	0.052	6	11	246
16/12	15.9/0.63	11.6/0.46	0.060	6	13	285
16/13	15.9/0.63	12.8/0.50	0.044	6	13	214
18/14	18/0.71	13.6/0.54	0.080	7	14	328
18/15	18/0.71	14.7/0.58	0.062	7	14	253
22/16	22/0.87	16/0.63	0.112	9	17	527
27/20	27/1.05	20.7/0.81	0.139	11	21	1,026

† 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.



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