MICROTECHNOLOGY

FUTUREPATH RISER

- Designed for installations in risers in accordance with the National Electric Code as well as general purpose applications, including vertical installations in shafts from floor-to-floor

- Ideal for new construction as well as existing apartment, condominium, or office buildings

- Multiple pathways for one installation cost, allows flexibility and future growth

- No special tools or equipment needed; installation uses the same as traditional conduit or innerduct

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

INSTALLATION TYPES
Interior

CONFIGURATIONS

2-way	12-way
3-way	19-way
4-way	24-way
7-way	

**OVERSHEATH & MICRODUCT COLORS**

☐ Dull YellowMicroDuct

| STANDARD |
|---|
| **ETL LISTED** UL 2024 & CSA C22.2 No.262-04 and UL-94 V-2 & CSA FT4 |
| **SILICORE** Co-extruded with the tough HDPE jacket creating a super, slick permanent lining. SILICORE lined ducts allow for higher speed cable jetting and longer cable pulls.: OFS and AFL Single Mode (SM) Bend Insensititive fiber stocked |
| **INTERNAL RIBS** standard on most MicroDucts. (3.5mm ID are designed with a standard smooth interior.) |
| **SEQUENTIAL FOOT OR METER MARKINGS** Custom print streams available |
| **RIP CORD(S)** for easy opening of the sheath. |
| **OPTIONS** |
| **PRE-INSTALLED FIBER OR PULL-STRING OPTION** Fiber cable or cordage can be factory preinstalled; alternatively, MicroDuct can be supplied with a factory pre-installed pull string for pulling in fiber optic cable |

FEATURES

FUTUREPATH 2-WAY RISER
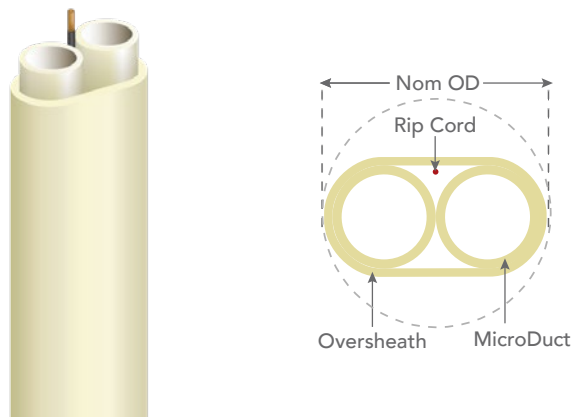
FUTUREPATH RISER 2-WAY TECHNICAL SPECIFICATIONS

MICRODUCT OD/ID (MM)	MICRODUCT MIN ID (MM/IN)	NOM OD (IN)	OVERSHEATH (IN)	WEIGHT (LB/FT)	BEND RADIUS SUP* (IN)	BEND RADIUS UNSUP* (IN)	SWPS†
5/3.5	3.4/0.13	0.46	0.03	0.032	7	12	149
8.5/6	5.9/0.23	0.77	0.05	0.091	12	19	419
12.7/10	9.8/0.39	1.1	0.05	0.151	17	28	685

Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.
† Safe working pull strength is calculated at 80% of tensile or breaking strength
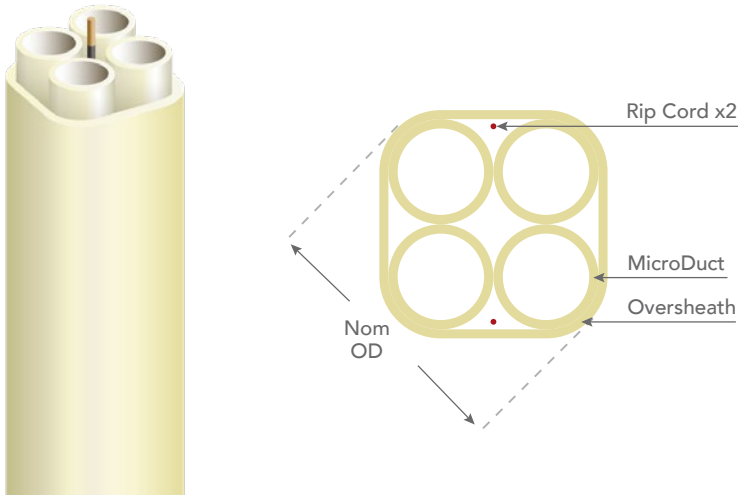
FUTUREPATH 3-WAY RISER

Nom OD

Oversheath
Rip Cord
MicroDuct
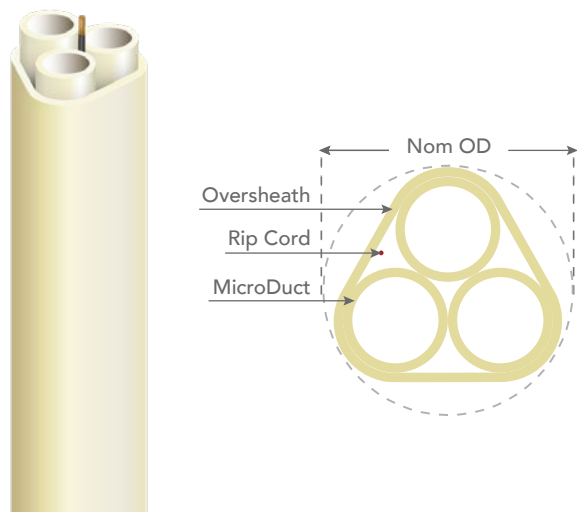
FUTUREPATH RISER 3-WAY TECHNICAL SPECIFICATIONS

MICRODUCT OD/ID (MM)	MICRODUCT MIN ID (MM/IN)	NOM OD (IN)	OVERSHEATH (IN)	WEIGHT (LB/FT)	BEND RADIUS SUP* (IN)	BEND RADIUS UNSUP* (IN)	SWPS†
5/3.5	3.4/0.13	0.51	0.04	0.049	7	11	232
8.5/6	5.9/0.23	0.85	0.06	0.134	11	19	615
12.7/10	9.8/0.39	1.22	0.07	0.23	16	27	1060

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FUTUREPATH 4-WAY RISER
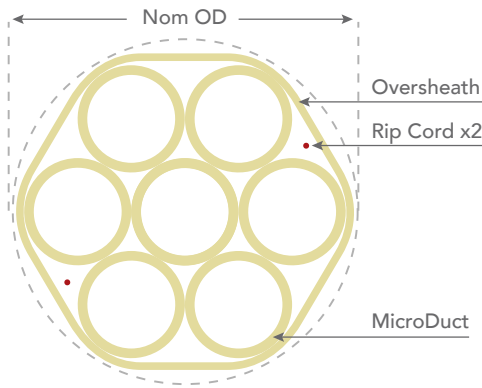

FUTUREPATH RISER 4-WAY TECHNICAL SPECIFICATIONS

MICRODUCT OD/ID (MM)	MICRODUCT MIN ID (MM/IN)	NOM OD (IN)	OVERSHEATH (IN)	WEIGHT (LB/FT)	BEND RADIUS SUP* (IN)	BEND RADIUS UNSUP* (IN)	SWPS†
5/3.5	3.4/0.13	0.56	0.04	0.061	7	12	283
8.5/6	5.9/0.23	0.93	0.06	0.165	12	20	749
12.7/10	9.8/0.39	1.35	0.07	0.285	17	29	1303

Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.
† Safe working pull strength is calculated at 80% of tensile or breaking strength
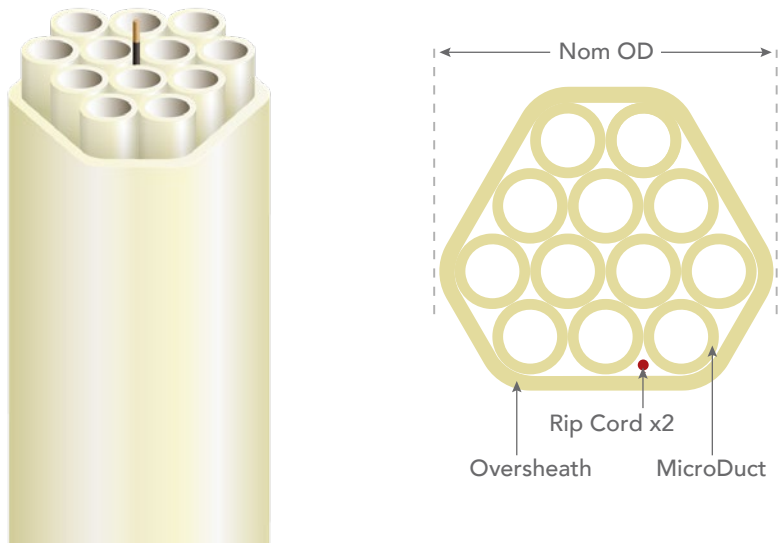
FUTUREPATH 7-WAY RISER

FUTUREPATH RISER 7-WAY TECHNICAL SPECIFICATIONS

MICRODUCT OD/ID (MM)	MICRODUCT MIN ID (MM/IN)	NOM OD (IN)	OVERSHEATH (IN)	WEIGHT (LB/FT)	BEND RADIUS SUP* (IN)	BEND RADIUS UNSUP* (IN)	SWPS†
5/3.5	3.4/0.13	0.68	0.04	0.091	9	16	418
8.5/6	5.9/0.23	1.13	0.06	0.251	16	26	1119
12.7/10	9.8/0.39	1.64	0.07	0.433	23	38	1945

Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.
† Safe working pull strength is calculated at 80% of tensile or breaking strength

FUTUREPATH 12-WAY RISER

Nom OD

Rip Cord x2

Oversheath   MicroDuct

FUTUREPATH RISER 12-WAY TECHNICAL SPECIFICATIONS

MICRODUCT OD/ID (MM)	MICRODUCT MIN ID (MM/IN)	NOM OD (IN)	OVERSHEATH (IN)	WEIGHT (LB/FT)	BEND RADIUS SUP* (IN)	BEND RADIUS UNSUP* (IN)	SWPS†
5/3.5	3.4/0.13	0.88	0.04	0.139	12	20	630
8.5/6	5.9/0.23	1.48	0.06	0.392	20	33	1724

Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.
† Safe working pull strength is calculated at 80% of tensile or breaking strength
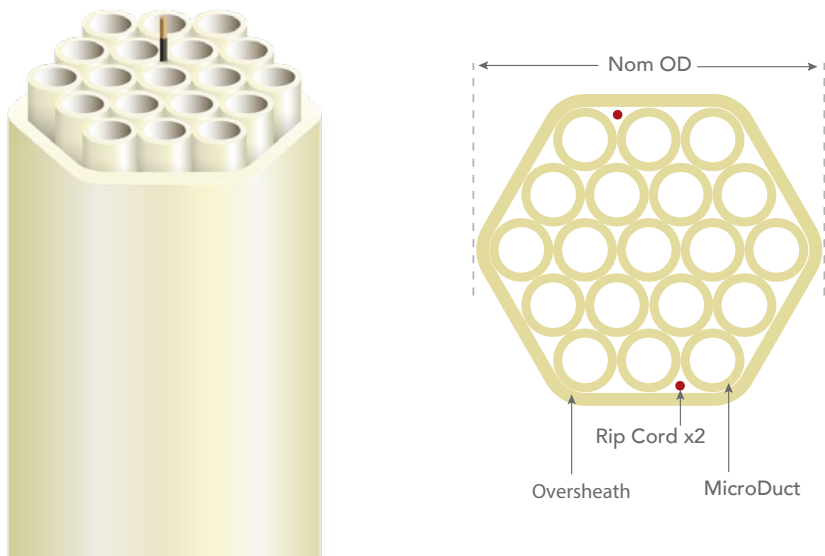
FUTUREPATH 19-WAY RISER

Nom OD

Rip Cord x2

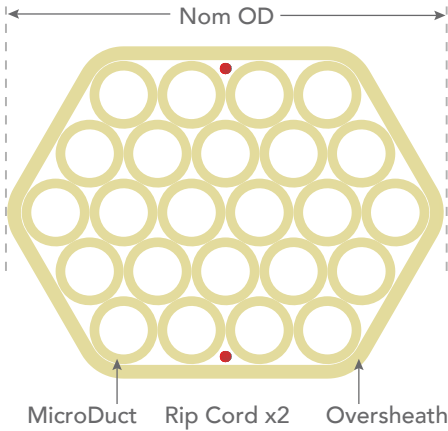Oversheath   MicroDuct

FUTUREPATH RISER 19-WAY TECHNICAL SPECIFICATIONS

MICRODUCT OD/ID (MM)	MICRODUCT MIN ID (MM/IN)	NOM OD (IN)	OVERSHEATH (IN)	WEIGHT (LB/FT)	BEND RADIUS SUP* (IN)	BEND RADIUS UNSUP* (IN)	SWPS†
5/3.5	3.4/0.13	1.07	0.04	0.203	14	24	909
8.5/6	5.9/0.23	1.8	0.06	0.576	24	41	2502

Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.
† Safe working pull strength is calculated at 80% of tensile or breaking strength

FUTUREPATH 24-WAY RISER

Nom OD

MicroDuct   Rip Cord x2   Oversheath

FUTUREPATH RISER 24-WAY TECHNICAL SPECIFICATIONS

MICRODUCT OD/ID (MM)	MICRODUCT MIN ID (MM/IN)	NOM OD (IN)	OVERSHEATH (IN)	WEIGHT (LB/FT)	BEND RADIUS SUP* (IN)	BEND RADIUS UNSUP* (IN)	SWPS†
5/3.5	3.4/0.13	1.27	0.04	0.248	19	32	1106
8.5/6	5.9/0.23	2.13	0.06	0.706	32	53	3050

*Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.
† Safe working pull strength is calculated at 80% of tensile or breaking strength