

## MICROTECHNOLOGY

# FUTUREPATH PLENUM

- Designed for installations in spaces used for environmental air in accordance with the National Electric Code as well as riser and general purpose applications, including inside structure, space above ceilings and below floors
- 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% to 75% for optimal cable placement performance. Several factors impact jetting distance, including the condition of route, bends, and equipment

### INSTALLATION TYPES

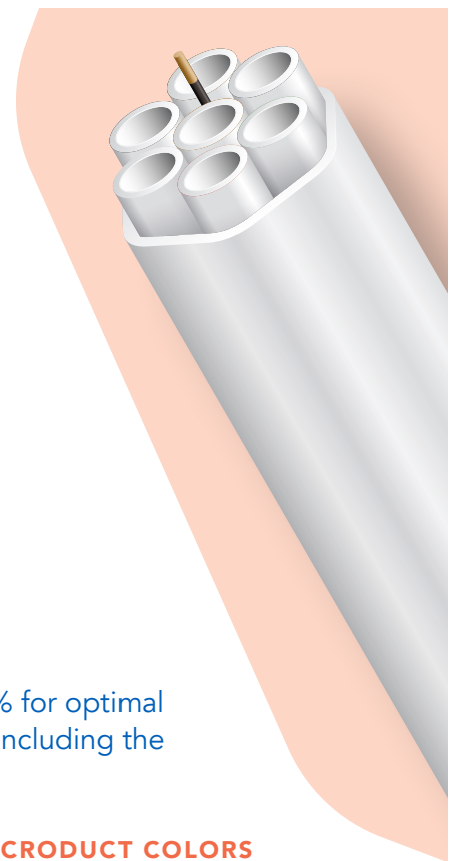
Interior

### CONFIGURATIONS

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

### OVERSHEATH & MICRODUCT COLORS

☐ Opaque White



### 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 Insensitive 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

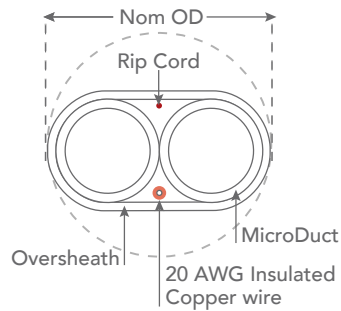


+1 800 847 7661  
WWW.DURALINE.COM



MICROTECHNOLOGY

# FUTUREPATH 2-WAY PLENUM



## FUTUREPATH PLENUM 2-WAY TECHNICAL SPECIFICATIONS

| MICRODUCT<br>OD/ID (MM ) | MICRODUCT<br>MIN ID (MM/IN) | NOM OD (IN) | OVERSHEATH<br>(IN) | WEIGHT<br>(LB/FT) | BEND RADIUS<br>SUP* (IN) | BEND RADIUS<br>UNSUP* (IN) | SWPS† |
|--------------------------|-----------------------------|-------------|--------------------|-------------------|--------------------------|----------------------------|-------|
| 5/3.5                    | 3.4/0.13                    | 0.44        | 0.02               | 0.04              | 7                        | 11                         | 133   |
| 8.5/6                    | 5.9/0.23                    | 0.71        | 0.02               | 0.076             | 11                       | 18                         | 377   |
| 12.7/10                  | 9.8/0.39                    | 1.05        | 0.025              | 0.156             | 16                       | 26                         | 745   |

\* 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

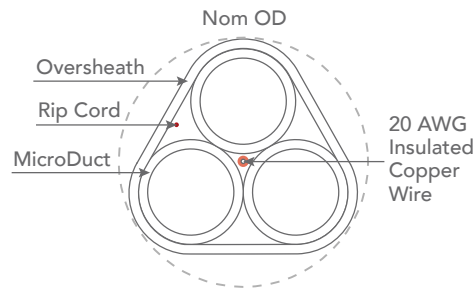


+1 800 847 7661  
WWW.DURALINE.COM



MICROTECHNOLOGY

# FUTUREPATH 3-WAY PLENUM



## FUTUREPATH PLENUM 3-WAY TECHNICAL SPECIFICATIONS

| MICRODUCT<br>OD/ID (MM ) | MICRODUCT<br>MIN ID (MM/IN) | NOM OD (IN) | OVERSHEATH<br>(IN) | WEIGHT<br>(LB/FT) | BEND RADIUS<br>SUP* (IN) | BEND RADIUS<br>UNSUP* (IN) | SWP5† |
|--------------------------|-----------------------------|-------------|--------------------|-------------------|--------------------------|----------------------------|-------|
| 5/3.5                    | 3.4/0.13                    | 0.47        | 0.02               | 0.055             | 6                        | 10                         | 272   |
| 8.5/6                    | 5.9/0.23                    | 0.77        | 0.02               | 0.106             | 10                       | 17                         | 508   |
| 12.7/10                  | 9.8/0.39                    | 1.05        | 0.025              | 0.218             | 12                       | 24                         | 1004  |

\* 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

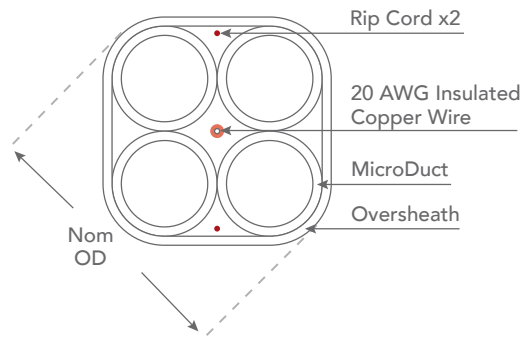


+1 800 847 7661  
WWW.DURALINE.COM



MICROTECHNOLOGY

# FUTUREPATH 4-WAY PLENUM



## FUTUREPATH PLENUM 4-WAY TECHNICAL SPECIFICATIONS

| MICRODUCT<br>OD/ID (MM ) | MICRODUCT<br>MIN ID (MM/IN) | NOM OD (IN) | OVERSHEATH<br>(IN) | WEIGHT<br>(LB/FT) | BEND RADIUS<br>SUP* (IN) | BEND RADIUS<br>UNSUP* (IN) | SWPS† |
|--------------------------|-----------------------------|-------------|--------------------|-------------------|--------------------------|----------------------------|-------|
| 5/3.5                    | 3.4/0.13                    | 0.52        | 0.02               | 0.069             | 7                        | 11                         | 337   |
| 8.5/6                    | 5.9/0.23                    | 0.85        | 0.02               | 0.134             | 11                       | 18                         | 626   |
| 12.7/10                  | 9.8/0.39                    | 1.3         | 0.045              | 0.338             | 16                       | 27                         | 1676  |

\* 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

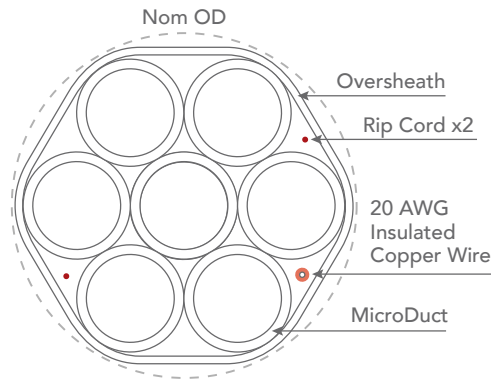


+1 800 847 7661  
WWW.DURALINE.COM



MICROTECHNOLOGY

# FUTUREPATH 7-WAY PLENUM



## FUTUREPATH PLENUM 7-WAY TECHNICAL SPECIFICATIONS

| MICRODUCT<br>OD/ID (MM ) | MICRODUCT<br>MIN ID (MM/IN) | NOM OD (IN) | OVERSHEATH<br>(IN) | WEIGHT<br>(LB/FT) | BEND RADIUS<br>SUP* (IN) | BEND RADIUS<br>UNSUP* (IN) | SWP5† |
|--------------------------|-----------------------------|-------------|--------------------|-------------------|--------------------------|----------------------------|-------|
| 5/3.5                    | 3.4/0.13                    | 0.63        | 0.02               | 0.111             | 9                        | 15                         | 517   |
| 8.5/6                    | 5.9/0.23                    | 1.06        | 0.025              | 0.229             | 15                       | 24                         | 1057  |
| 12.7/10                  | 9.8/0.39                    | 1.59        | 0.045              | 0.53              | 22                       | 37                         | 2496  |

\* 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

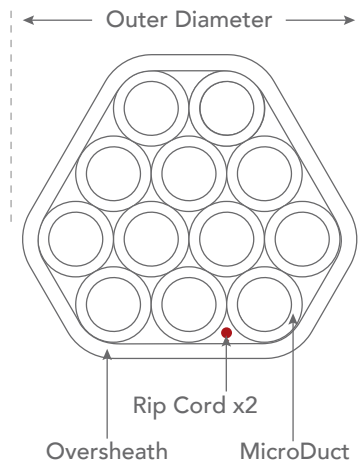


+1 800 847 7661  
WWW.DURALINE.COM



MICROTECHNOLOGY

# FUTUREPATH 12-WAY PLENUM



## FUTUREPATH PLENUM 12-WAY TECHNICAL SPECIFICATIONS

| MICRODUCT<br>OD/ID (MM ) | MICRODUCT<br>MIN ID (MM/IN) | NOM OD (IN) | OVERSHEATH<br>(IN) | WEIGHT<br>(LB/FT) | BEND RADIUS<br>SUP* (IN) | BEND RADIUS<br>UNSUP* (IN) | SWPS† |
|--------------------------|-----------------------------|-------------|--------------------|-------------------|--------------------------|----------------------------|-------|
| 5/3.5                    | 3.4/0.13                    | 0.84        | 0.02               | 0.177             | 11                       | 19                         | 792   |
| 8.5/6                    | 5.9/0.23                    | 1.41        | 0.025              | 0.369             | 19                       | 32                         | 1644  |

\* 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

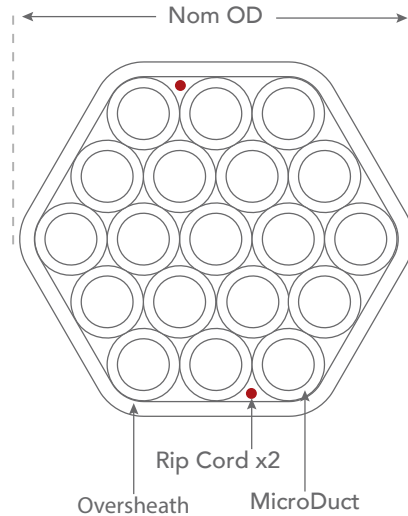


+1 800 847 7661  
WWW.DURALINE.COM



MICROTECHNOLOGY

# FUTUREPATH 19-WAY PLENUM



## FUTUREPATH PLENUM 19-WAY TECHNICAL SPECIFICATIONS

| MICRODUCT<br>OD/ID (MM ) | MICRODUCT<br>MIN ID (MM/IN) | OD (IN) | OVERSHEATH<br>(IN) | WEIGHT<br>(LB/FT) | BEND RADIUS<br>SUP* (IN) | BEND RADIUS<br>UNSUP* (IN) | SWPS† |
|--------------------------|-----------------------------|---------|--------------------|-------------------|--------------------------|----------------------------|-------|
| 5/3.5                    | 3.4/0.13                    | 1.04    | 0.025              | 0.28              | 14                       | 23                         | 1252  |
| 8.5/6                    | 5.9/0.23                    | 1.74    | 0.03               | 0.577             | 23                       | 39                         | 2552  |

\* 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

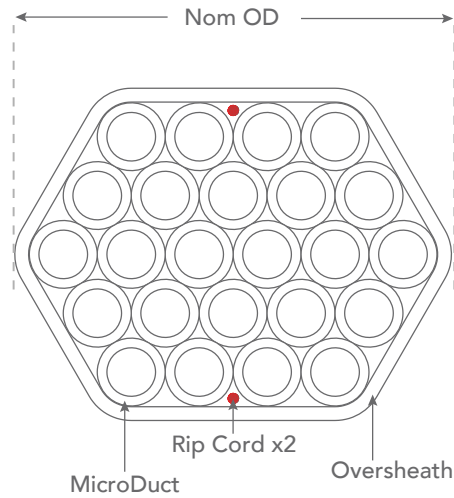
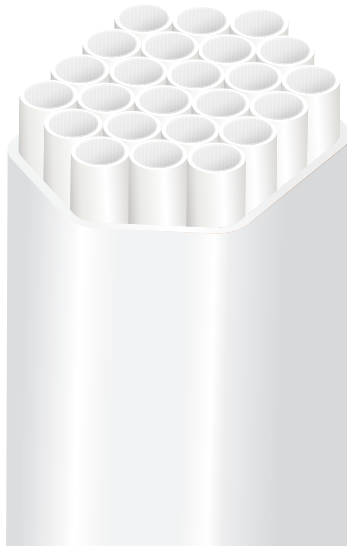


+1 800 847 7661  
WWW.DURALINE.COM



MICROTECHNOLOGY

# FUTUREPATH 24-WAY PLENUM



## FUTUREPATH PLENUM 24-WAY TECHNICAL SPECIFICATIONS

| MICRODUCT<br>OD/ID (MM ) | MICRODUCT<br>MIN ID (MM/IN) | NOM OD (IN) | OVERSHEATH<br>(IN) | WEIGHT<br>(LB/FT) | BEND RADIUS<br>SUP* (IN) | BEND RADIUS<br>UNSUP* (IN) | SWP5† |
|--------------------------|-----------------------------|-------------|--------------------|-------------------|--------------------------|----------------------------|-------|
| 5/3.5                    | 3.4/0.13                    | 1.24        | 0.025              | 0.288             | 14                       | 23                         | 1309  |
| 8.5/6                    | 5.9/0.23                    | 2.07        | 0.03               | 0.713             | 23                       | 38                         | 3111  |

\* 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



+1 800 847 7661  
WWW.DURALINE.COM

