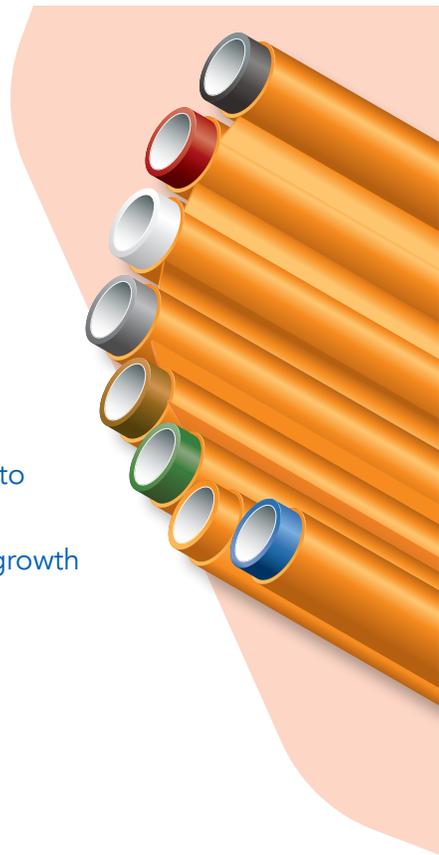


MICROTECHNOLOGY

FUTUREPATH FLEX

- MicroDucts joined by a thin web of HDPE, allowing for easy separation and routing of individual ducts
- Flat shape allows installation in narrow slits, saw cuts, direct buried (traditional trenching) or horizontal drilled (bored) applications
- Can be placed vertically, horizontally, or rolled into a round shape for vibratory plow or directional drilling
- Ideal for Micro-Trenching, resulting in reduced soil removal and impact to the right-of-way
- 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



INSTALLATION TYPES

Trench
Directional Bore
MicroTrench

CONFIGURATIONS

2-way 6-way
4-way 8-way

STANDARD COLORS

 MicroDuct
 Oversheath
 Custom Colors Available

FEATURES

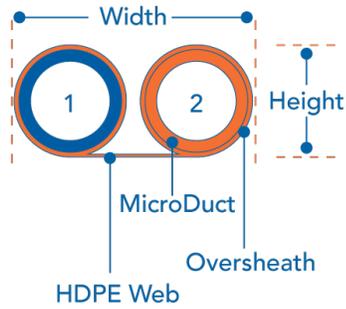
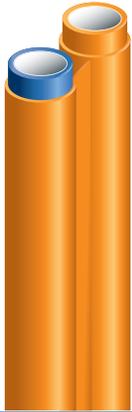
STANDARD
SPECIFICATIONS/DETAILS FuturePath is a unit of bundled MicroDucts. Manufactured from flexible HDPE (High Density Polyethylene)
FILL RATIO Choose the correct MicroDuct size based on the Outer Diameter (OD) of desired MicroCable. Dura-Line recommends a fill ratio of 50% to 75% for optimal cable placement performance. Several factors impact jetting distance including the condition of route, bends, and equipment.
CONDUIT MARKINGS Permanent marking along FuturePath includes: material, relevant standards, production info, and sequential feet or meter markings. Custom options available.
CO-EXTRUDED LINING SILICORE® ULF (Ultra-Low Friction) is co-extruded inside the HDPE wall creating a slick, permanent, interior lining. With a coefficient of friction 60% lower than standard HDPE conduit without the aid of wet lubricants, SILICORE® ULF exhibits no loss in performance over time or in extreme temperature conditions.
INTERNAL RIBS Standard (except 3.5mm ID MicroDucts which are designed with a standard smooth interior)



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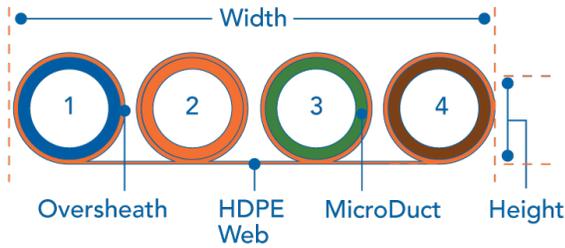
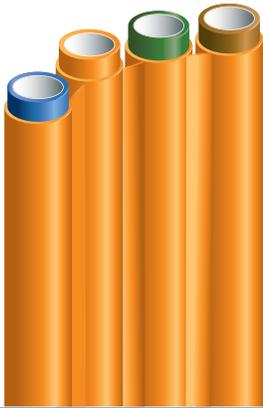
FUTUREPATH FLEX 2-WAY TECHNICAL SPECIFICATIONS



MICRODUCT OD/ID (MM)	MICRODUCT MIN ID (MM/IN)	WIDTH (IN)	HEIGHT (IN)	OVERSHEATH (IN)	WEB THICKNESS	WEIGHT (LB/FT)	BEND RADIUS SUP* (IN)	BEND RADIUS UNSUP* (IN)	SWPST† (LBS)
12.7/10	9.8/0.39	1.27	0.57	0.035	0.02	0.118	6	11	630
18/14	13.6/0.54	1.64	0.78	0.040	0.02	0.201	12	20	1,081

* 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

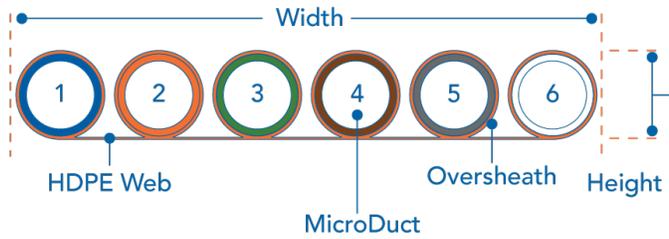
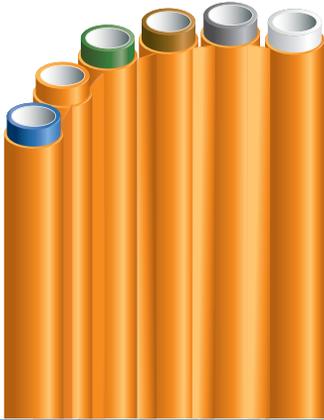
FUTUREPATH FLEX 4-WAY TECHNICAL SPECIFICATIONS



MICRODUCT OD/ID (MM)	MICRODUCT MIN ID (MM/IN)	WIDTH (IN)	HEIGHT (IN)	OVERSHEATH (IN)	WEB THICKNESS	WEIGHT (LB/FT)	BEND RADIUS SUP* (IN)	BEND RADIUS UNSUP* (IN)	SWPST† (LBS)
12.7/10	9.8/0.39	2.55	0.57	0.035	0.02	0.238	6	11	1,271
18/14	13.6/0.54	3.65	0.78	0.040	0.02	0.411	12	20	2,210

* 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

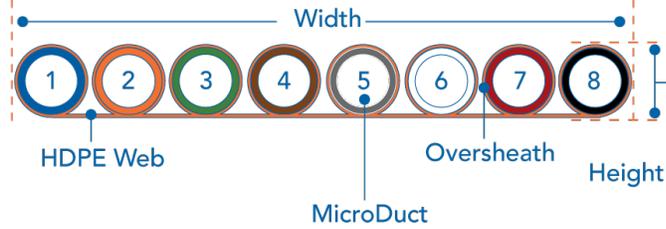
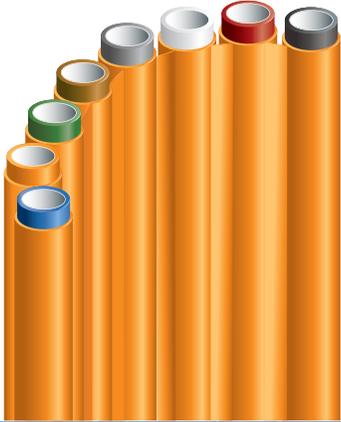
FUTUREPATH FLEX 6-WAY TECHNICAL SPECIFICATIONS



MICRODUCT OD/ID (MM)	MICRODUCT MIN ID (MM/IN)	WIDTH (IN)	HEIGHT (IN)	OVERSHEATH (IN)	WEB THICKNESS	WEIGHT (LB/FT)	BEND RADIUS SUP* (IN)	BEND RADIUS UNSUP* (IN)	SWPST† (LBS)
12.7/10	9.8/0.39	3.82	0.57	0.035	0.02	0.359	6	11	1,917
18/14	13.6/0.54	5.37	0.78	0.040	0.02	0.618	12	20	3,323

* 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 FLEX 8-WAY TECHNICAL SPECIFICATIONS



MICRODUCT OD/ID (MM)	MICRODUCT MIN ID (MM/IN)	WIDTH (IN)	HEIGHT (IN)	OVERSHEATH (IN)	WEB THICKNESS	WEIGHT (LB/FT)	BEND RADIUS SUP* (IN)	BEND RADIUS UNSUP* (IN)	SWPST† (LBS)
12.7/10	9.8/0.39	5.09	0.57	0.035	0.02	0.480	6	11	2,563

* 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