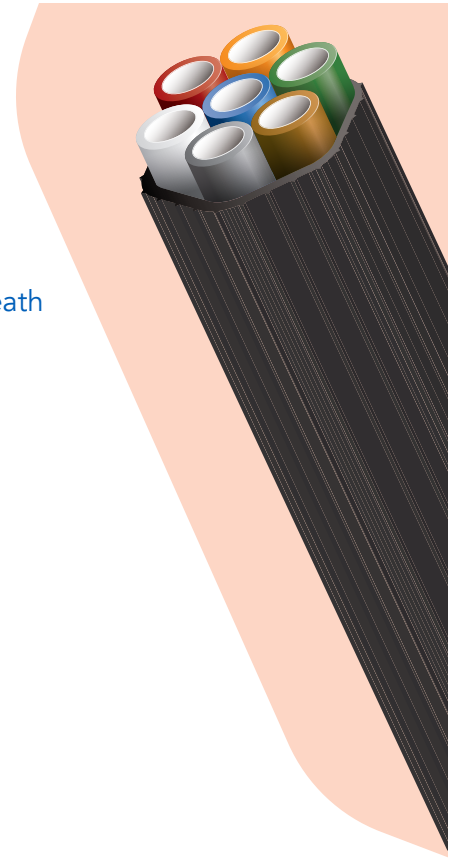
MICROTECHNOLOGY

FUTUREPATH AERIAL



- Multiple pathways for one installation cost, allows flexibility and future growth
- MicroDucts are factory bundled in a carbon black polyethylene oversheath with antioxidents for maximum UV protection
- External ribs for easy gripping of lashing wire
- No special tools or equipment needed; installation uses the same as traditional conduit or innerduct

INSTALLATION TYPES

Aerial

CONFIGURATIONS

2-way
3-way
4-way
7-way

STANDARD COLORS

MicroDuct

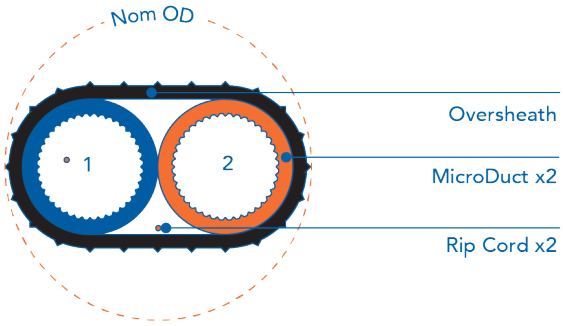
UV Oversheath

Custom Colors Available

FEATURES

STANDARD
SPECIFICATIONS/DETAILS FuturePath is a unit of bundled MicroDucts. Manufactured from flexible HDPE (High Density Polyethylene).The Oversheath is carbon black polyethylene with antioxidants for maximum UV protection
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)
RIP CORDS For easy opening of the oversheath

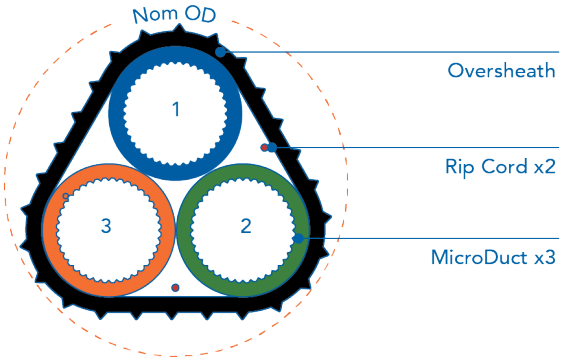
FUTUREPATH AERIAL 2-WAY TECHNICAL SPECIFICATIONS



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† (LBS)
12.7/10	9.8/0.39	1.10	0.050	0.122	17	28	652
18/14	13.6/0.54	1.62	0.070	0.249	24	41	1,300

† 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.

FUTUREPATH AERIAL 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† (LBS)
12.7/10	9.8/0.39	1.22	0.050	0.167	18	31	890
16/13	12.8/0.50	1.56	0.070	0.256	21	35	1,334
22/16	15.4/0.61	2.01	0.070	0.524	26	44	2,806

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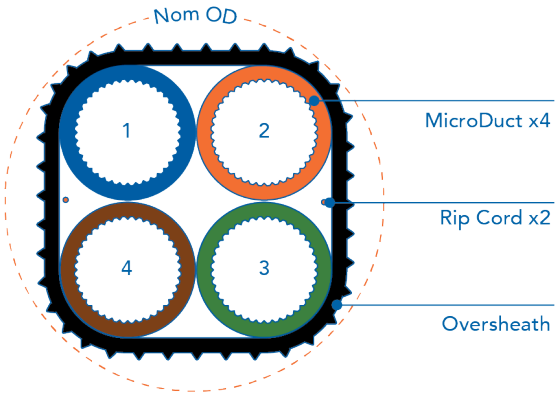
FUTUREPATH AERIAL 4-WAY TECHNICAL SPECIFICATIONS



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† (LBS)
10/8	8.1/0.32	1.15	0.100	0.208	12	23	1,116
12.7/10	9.8/0.39	1.35	0.070	0.244	17	29	1,303
16/13	12.8/0.50	1.65	0.070	0.314	21	35	1,639
18/14	13.6/0.54	1.90	0.070	0.423	29	48	2,275
22/16	15.4/0.61	2.23	0.070	0.669	28	47	3,580

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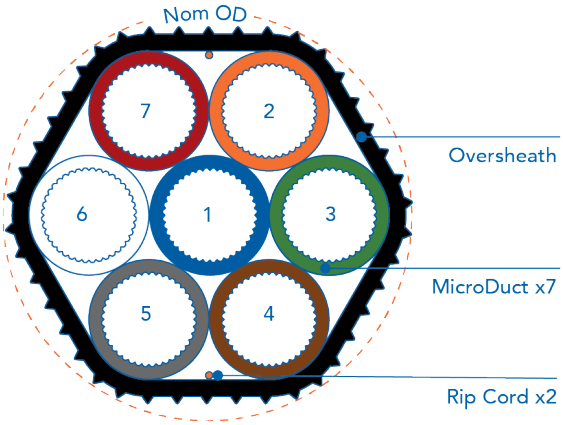
FUTUREPATH AERIAL 7-WAY TECHNICAL SPECIFICATIONS



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† (LBS)
12.7/10	9.8/0.39	1.69	0.070	0.370	17	34	1,969
16/13	12.8/0.50	2.10	0.070	0.484	32	53	2,601

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