

MICROTECHNOLOGY

FUTUREPATH

- MicroDucts factory bundled with a polyethylene oversheath
- 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
- Multiple configurations available

INSTALLATION TYPES

Subdivided Conduit	Plow
Directional Bore	Tray
Overrides	Trench
MicroTrench	

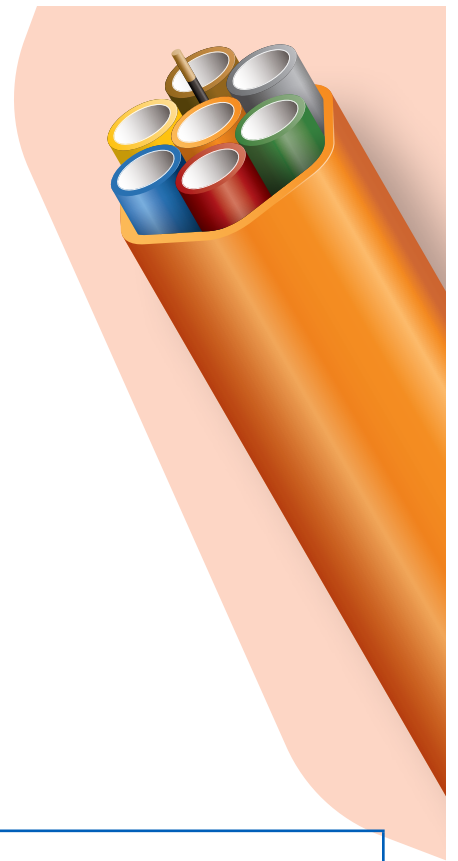
CONFIGURATIONS

2-way	7-way	12-way
3-way	8-way	19-way
4-way	10-way	24-way

OVERSHEATH & MICRODUCT COLORS



or custom colors with optional stripes



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)

LOCATE WIRE Includes a 20 AWG insulated copper wire

RIP CORDS For easy opening of the oversheath

OPTIONS

THICKER OVERSHEATH Available in most configurations to meet your needs for more rugged projects

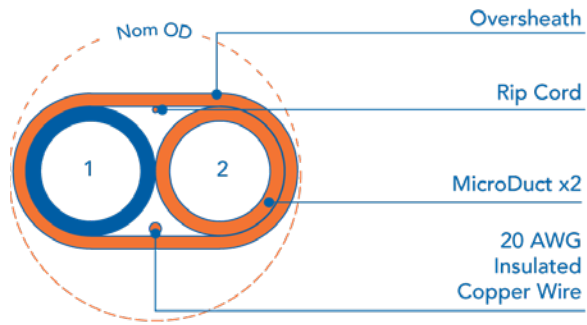
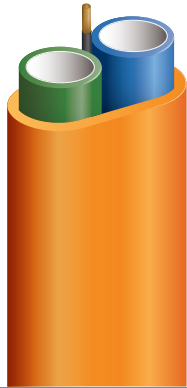


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TL9000



FUTUREPATH 2-WAY TECHNICAL SPECIFICATIONS



MICRODUCT OD/ID (MM)	NOM OD (IN)	MICRODUCT MIN ID (MM)	MICRODUCT MIN ID (IN)	OVERSHEATH (IN)	WEIGHT (LB/FT)	BEND RADIUS SUP* (IN)	BEND RADIUS UNSUP* (IN)	SWPST† (LBS)
5/3.5	0.45	3.4	0.13	0.030	0.025	7	11	133
8.5/6	0.77	5.9	0.23	0.050	0.075	12	19	404
10/8	0.87	8.1	0.32	0.040	0.070	9	17	373
12.7/10	1.10	9.8	0.39	0.050	0.119	11	22	635
14/10	1.19	9.8	0.39	0.040	0.149	12	24	795
16/12	1.35	11.6	0.46	0.050	0.183	14	27	976
16/13	1.35	12.8	0.50	0.050	0.153	14	27	824
18/14	1.56	13.6	0.54	0.070	0.244	16	31	1,316
22/16	1.82	15.4	0.61	0.070	0.333	18	36	1,788
27/20	2.27	20.7	0.81	0.050	0.374	33	55	2,042

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

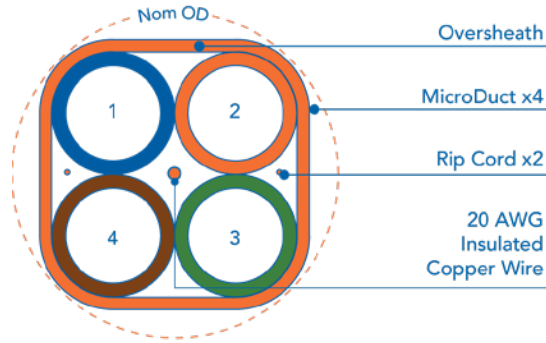
* Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.



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FUTUREPATH 4-WAY TECHNICAL SPECIFICATIONS



MICRODUCT OD/ID (MM)	NOM OD (IN)	MICRODUCT MIN ID (MM)	MICRODUCT MIN ID (IN)	OVERSHEATH (IN)	WEIGHT (LB/FT)	BEND RADIUS SUP* (IN)	BEND RADIUS UNSUP* (IN)	SWPS† (LBS)
5/3.5	0.56	3.4	0.13	0.040	0.050	7	12	276
8.5/6	0.93	5.9	0.23	0.060	0.136	12	20	733
10/8	1.04	8.1	0.32	0.040	0.120	9	17	635
12.7/10	1.34	9.8	0.39	0.070	0.236	13	27	1,260
12.7/10 (FLAT)	2.14	9.8	0.39	0.050	0.223	21	42	1,189
14/10	1.47	9.8	0.39	0.070	0.320	13	25	1,709
16/12	1.66	11.6	0.46	0.070	0.368	17	33	1,963
16/13	1.65	12.8	0.50	0.070	0.308	25	41	1,658
16/13 (FLAT)	2.67	12.8	0.50	0.050	0.290	39	66	1,516
18/14	1.86	13.6	0.54	0.070	0.417	19	37	2,243
22/16	2.23	15.4	0.61	0.070	0.613	28	47	2,840
27/20	2.68	20.7	0.81	0.070	0.751	40	67	4,024

* Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.

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