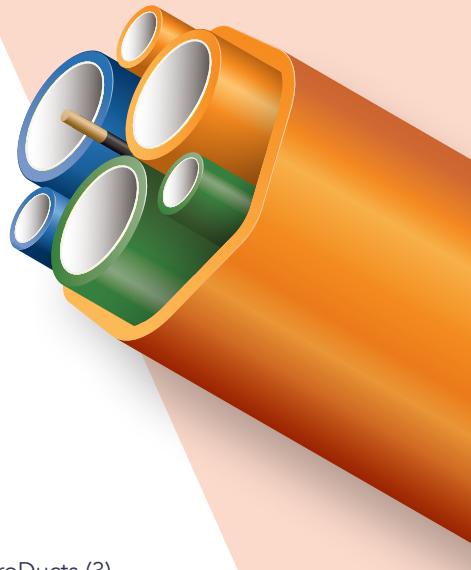


FUTUREPATH HYBRID 6-WAY

- ▶ FuturePath configuration mixing variations of popular MicroDuct sizes with common Smoothwall duct sizes and materials
- ▶ A perfect choice for customers who need to place micro cables and larger standard fiber cables at the same time, or would like to plan for future possibilities
- ▶ 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

Plow
Trench
MicroTrench
Directional Bore
Tray

STANDARD COLORS

■ Oversheath
■ ■ ■ Smoothwall
■ ■ ■ MicroDucts
Custom colors available

CONFIGURATIONS

1 1/4" TSIDR 9 (3) + 18/14mm MicroDucts (3)
1 1/4" TSIDR 11.5 (3) + 18/14mm MicroDucts (3)
1 1/4" SDR 11 (3) + 18/14mm MicroDucts (3)
1 1/4" SDR 13.5 (3) + 18/14mm MicroDucts (3)
1 1/4" SDR 11 (3) + 22/16mm MicroDucts (3)
1 1/2" SDR 11 (3) + 18/14mm MicroDucts (3)
1 1/2" SDR 11 (3) + 22/16mm MicroDucts (3)

STANDARD

SPECIFICATIONS/DETAILS FuturePath configuration consisting of two or more different sizes of conduit and or MicroDucts. Manufactured from flexible HDPE (High Density Polyethylene). All Smoothwall conduit dimensions meet or exceed one or more of the following: ASTM F-2160, ASTM D-3350, ASTM D-3485, NEMA TC-7, UL 651A, UL 1990, Bellcore GR-356.

FEATURES

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.

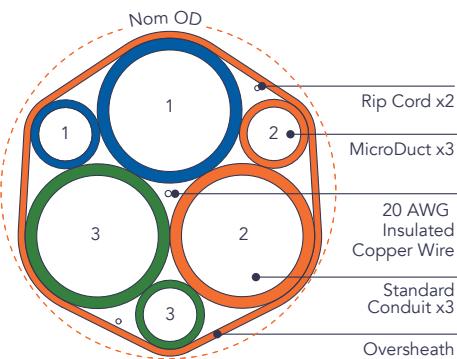
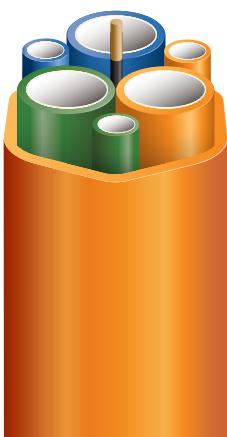
CO-EXTRUDED LINING SILICORE® ULF (Ultra-Low Friction) is co-extruded inside the HDPE wall creating a slick, permanent, interior lining. SILICORE® ULF exhibits no loss in performance over time or in extreme temperature conditions.

INTERNAL RIBS Standard on MicroDucts, available as an option in the Conduits

LOCATE WIRE Available with or without a 20 AWG insulated copper wire

RIP CORDS For easy opening of the oversheath

FUTUREPATH HYBRID 6-WAY TECHNICAL SPECIFICATIONS



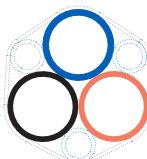
DUCT TYPES	MAX OD (IN)	HEIGHT (IN)	WIDTH (IN)	OVERSHEATH (IN)	WEIGHT (LB/FT)	BEND RADIUS SUP (IN)	BEND RADIUS UNSUP (IN)	SWPS (LB)
1 1/4" TSIDR 9 + 18/14mm	3.49	3.45	3.24	0.070	1.290	52	87	7,021
1 1/4" TSIDR 11.5 + 18/14mm	3.35	3.34	3.12	0.070	1.116	50	84	5,963
1 1/4" SDR 11 + 18/14mm	3.72	3.61	3.46	0.070	1.448	56	93	7,882
1 1/4" SDR 11 + 22/16mm	3.82	3.77	3.45	0.070	1.610	57	96	8,738
1 1/4" SDR 13.5 + 18/14mm	3.72	3.61	3.46	0.070	1.300	56	93	6,880
1 1/2" SDR 11 + 18/14mm	4.23	3.98	3.94	0.070	1.773	63	106	9,305
1 1/2" SDR 11 + 22/16mm	4.23	4.14	3.94	0.070	1.932	63	106	10,147

† 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.

SMOOTHWALL DUCT TECHNICAL SPECIFICATIONS

DUCT TYPE	DUCT SIZE	OD (IN)	MIN ID (IN)
	1 1/4" TSIDR 9	1.530	1.230
	1 1/4" TSIDR 11.5	1.488	1.224
	1 1/4" SDR 11	1.660	1.318
	1 1/4" SDR 13.5	1.660	1.374
	1 1/2" SDR 11	1.900	1.512



MICRODUCT TECHNICAL SPECIFICATIONS

DUCT TYPE	MICRODUCT SIZE	OD (MM/IN)	MIN ID (MM/IN)
	18/14mm	18/0.71	13.6/0.54
	22/16mm	22/0.87	15.4/0.61

