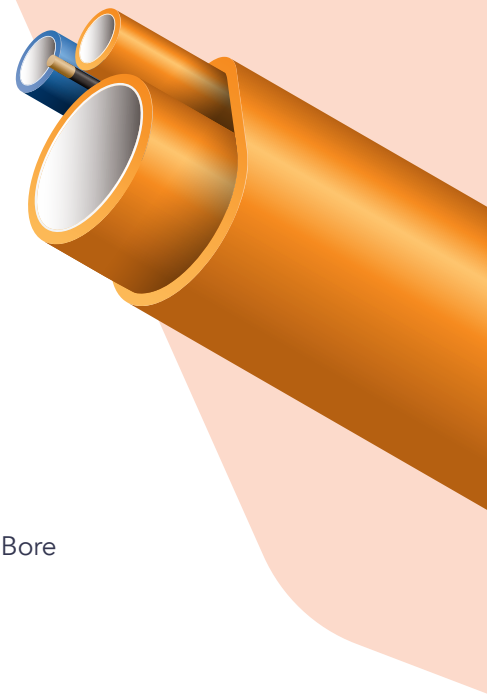
MICROTECHNOLOGY

FUTUREPATH HYBRID 3-WAY



- FuturePath configuration mixing a popular MicroDuct size with a common Smoothwall duct size
- 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

CONFIGURATIONS

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

INSTALLATION TYPES

Plow
Trench
MicroTrench
Directional Bore
Tray

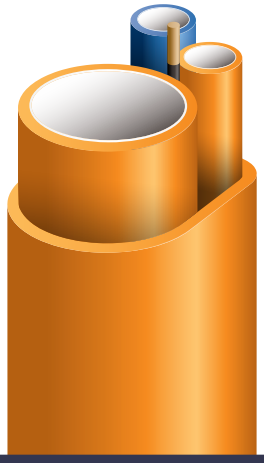
STANDARD COLORS

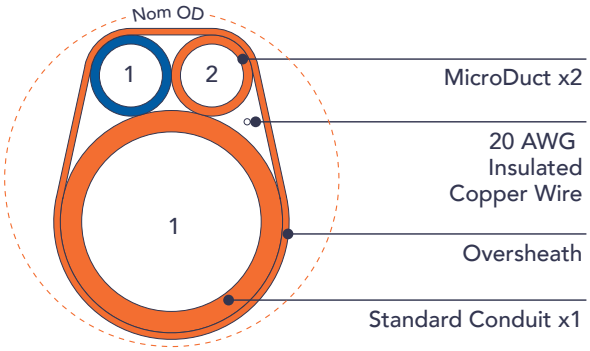
Oversheath MicroDucts Custom colors available

FEATURES

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.
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 3-WAY TECHNICAL SPECIFICATIONS



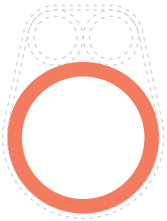


DUCT TYPES	MAX OD (IN)	HEIGHT (IN)	WIDTH (IN)	OVERSHEATH (IN)	WEIGHT (LB/FT)	BEND RADIUS SUP (IN)	BEND RADIUS UNSUP (IN)	SWPS (LB)
1 1/4" SDR 11 + 18/14mm	2.54	2.49	1.80	0.070	0.644	38	64	3,500
1 1/4" SDR 11 + 22/16mm	2.68	2.56	1.84	0.050	0.679	28	46	3,672
1 1/4" SDR 13.5 + 22/16mm	2.68	2.56	1.84	0.050	0.648	28	46	3,438
2" SDR 13.5 + 22/16mm	3.39	3.32	2.52	0.070	1.003	38	50	5,441

† 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	OD (IN)	MIN ID (IN)
1 1/4" SDR 11	1.660	1.318
1 1/4" SDR 13.5	1.660	1.374
2" SDR 13.5	2.375	1.981



MICRODUCT TECHNICAL SPECIFICATIONS

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