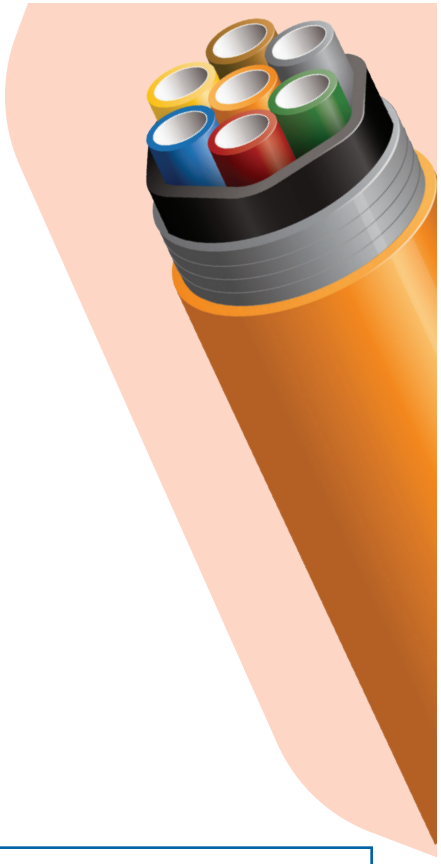
MICROTECHNOLOGY

FUTUREPATH ARMORED



- MicroDucts factory-bundled in a polyethylene oversheath, encased in Zetabon steel armor for protection in harsh environments or rodent protection
- Superior mechanical protection against rodents, ballistics, crush, chemicals, moisture penetration and ground or soil heave
- 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
Directional Bore
Tray

CONFIGURATIONS

4-way
7-way
19-way

OVERSHEATH & MICRODUCT COLORS

Custom Colors Available

FEATURES

STANDARD

SPECIFICATIONS/DETAILS FuturePath Armored is a unit of bundled MicroDucts. Manufactured from flexible HDPE (High Density Polyethylene) with Zetabon steel armor

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.

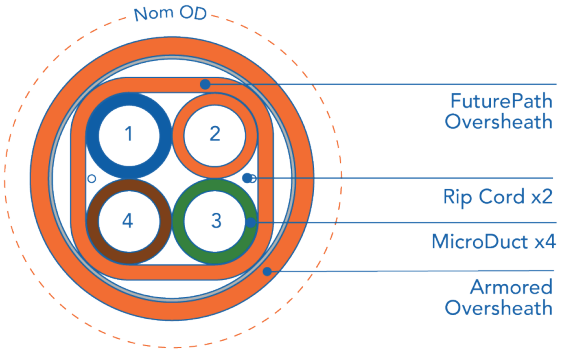
INTERNAL RIBS Standard (except 3.5mm ID MicroDucts which are designed with a standard smooth interior)

RIP CORDS For easy opening of the oversheath

OPTIONS

LOCATE WIRE Includes a 20 AWG insulated copper wire

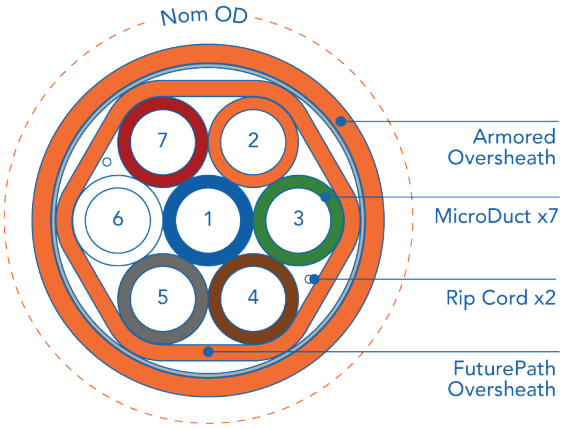
FUTUREPATH ARMORED 4-WAY TECHNICAL SPECIFICATIONS



MICRODUCT OD/ID (MM)	MICRODUCT MIN ID (MM/IN)	NOM OD (IN)	FUTUREPATH OVERSHEATH (IN)	ARMORED OVERSHEATH (IN)	WEIGHT (LB/FT)*	BEND RADIUS SUP (IN)**	BEND RADIUS UNSUP (IN)**	SWPS† (LBS)
8.5/6	5.9/0.23	1.11	0.060	0.070	0.230	11	22	1,246
12.7/10	9.8/0.39	1.50	0.060	0.070	0.351	15	30	1,888
18/14	13.6/0.54	2.09	0.070	0.100	0.675	21	42	3,652

* Total Weight does not include Zetabon weight.
** 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 ARMORED 7-WAY TECHNICAL SPECIFICATIONS



MICRODUCT OD/ID (MM)	MICRODUCT MIN ID (MM/IN)	NOM OD (IN)	FUTUREPATH OVERSHEATH (IN)	ARMORED OVERSHEATH (IN)	WEIGHT (LB/FT)*	BEND RADIUS SUP (IN)**	BEND RADIUS UNSUP (IN)**	SWPS† (LBS)
8.5/6	5.9/0.23	1.31	0.060	0.070	0.319	13	26	1,724
12.7/10	9.8/0.39	1.90	0.070	0.110	0.617	19	38	3,319
16/13	12.8/0.50	2.29	0.070	0.110	0.781	20	41	4,223

* Total Weight does not include Zetabon weight.
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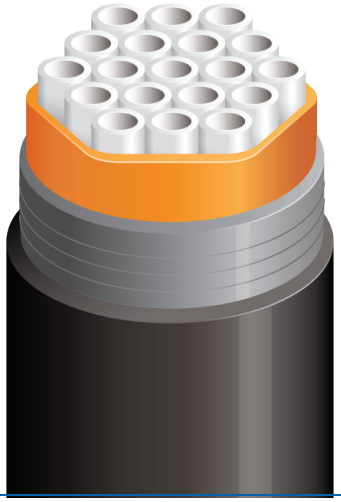
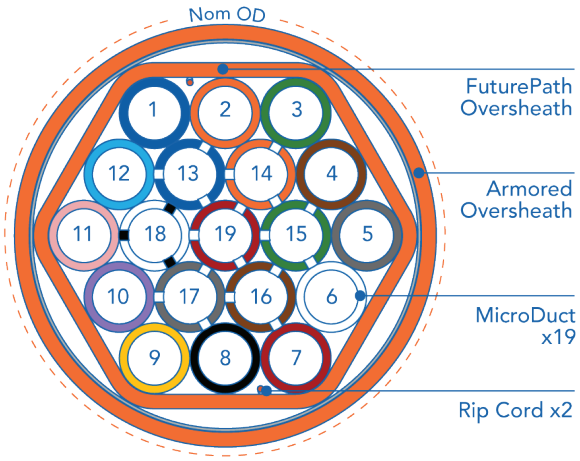
† Safe working pull strength is calculated at 80% of tensile or breaking strength

FUTUREPATH ARMORED 19-WAY TECHNICAL SPECIFICATIONS





MICRODUCT OD/ID (MM)	MICRODUCT MIN ID (MM/IN)	NOM OD (IN)	FUTUREPATH OVERSHEATH (IN)	ARMORED OVERSHEATH (IN)	WEIGHT (LB/FT)*	BEND RADIUS SUP (IN)**	BEND RADIUS UNSUP (IN)**	SWPS† (LBS)
8.5/6	5.9/0.23	1.98	0.060	0.070	0.645	20	40	3,473

* Total Weight does not include Zetabon weight.
** 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