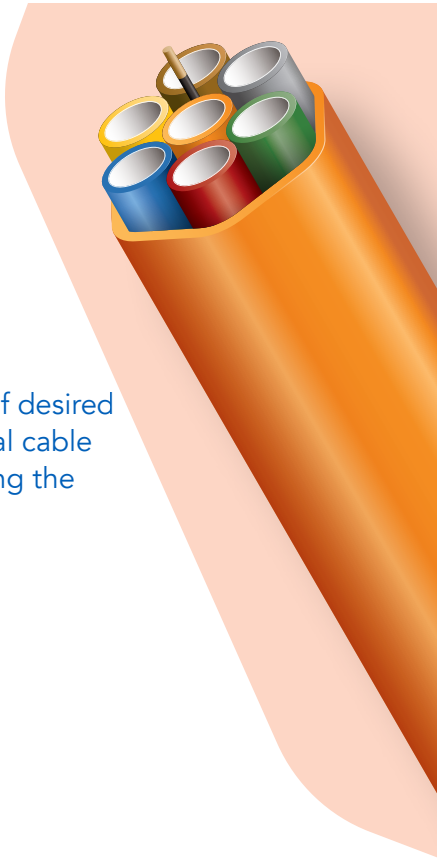
MICROTECHNOLOGY

FUTUREPATH



- 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
- 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.

INSTALLATION TYPES

Plow
Micro-Trench
Directional Bore

CONFIGURATIONS

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

OVERSHEATH & MICRODUCT COLORS

custom colors available for MicroDucts and Oversheath

FEATURES

STANDARD

SEQUENTIAL FOOT OR METER MARKINGS Custom print streams available

MATERIAL Available in HDPE, Plenum, Riser, or LSZH and factory bundled in an oversheath

RIP CORD(S) for easy opening of the sheath

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

SHIPS ON STANDARD REEL

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

OPTIONS

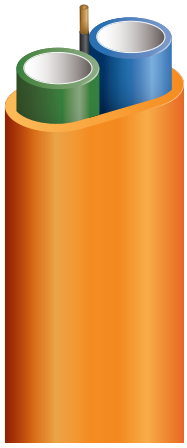
LOCATE WIRE Available with or without a 20 AWG insulated copper wire

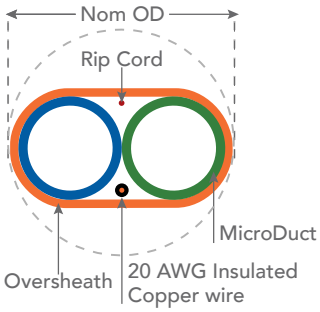
THICKER OVERSHEATH Available in most configurations to meet your needs for more rugged projects

UV PROTECTION Available with carbon black and antioxidents for maximum UV protection

MICROTECHNOLOGY

FUTUREPATH 2-WAY





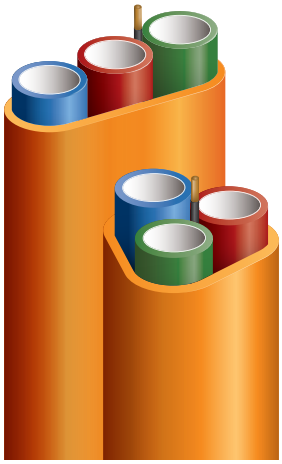
FUTUREPATH 2-WAY TECHNICAL SPECIFICATIONS

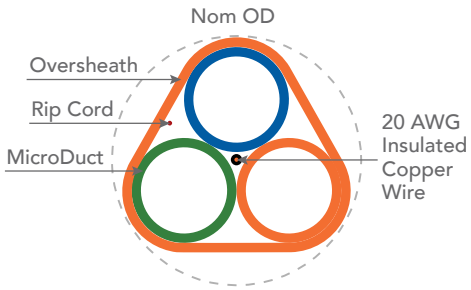
MICRODUCT OD/ID (MM)	NOM OD (IN)	MICRODUCT MIN ID (MM)	MICRODUCT MIN ID (IN)	OVERSHEATH (IN)	WEIGHT (LB/FT)	BEND RADIUS SUP* (IN)	BEND RADIUS UNSUP* (IN)	SWPS† (LBS)
5/3.5	0.45	3.4	0.13	0.03	0.025	7	11	133
8.5/6	0.77	5.9	0.23	0.05	0.075	12	19	404
10/8	0.87	8.1	0.32	0.04	0.070	9	17	373
12.7/10	1.10	9.8	0.39	0.05	0.119	11	22	635
14/10	1.19	9.8	0.39	0.04	0.149	12	24	795
16/12	1.35	11.6	0.46	0.05	0.183	14	27	976
16/13	1.35	12.8	0.50	0.05	0.153	14	27	824
18/14	1.56	13.6	0.54	0.07	0.244	16	31	1,316
22/16	1.82	15.4	0.61	0.07	0.333	18	36	1,788
27/20	2.27	20.7	0.81	0.05	0.374	17	29	2,042

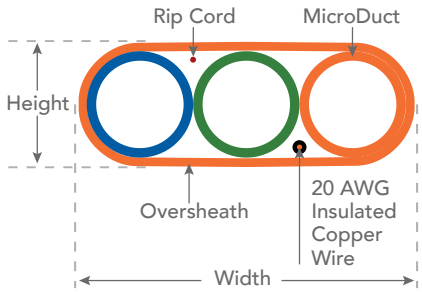
† Safe working pull strength is calculated at 80% of tensile or breaking strength
** Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.*

MICROTECHNOLOGY

FUTUREPATH 3-WAY







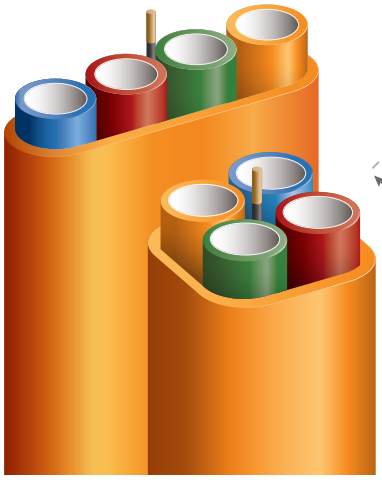
FUTUREPATH 3-WAY TECHNICAL SPECIFICATIONS

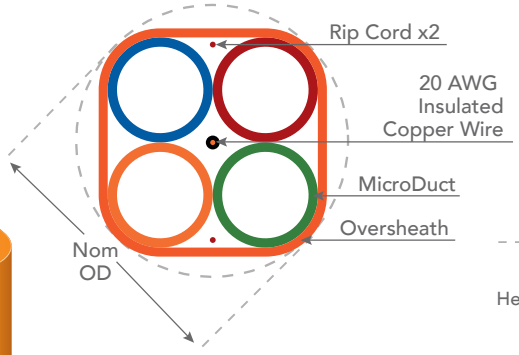
MICRODUCT OD/ID (MM)	NOM OD (IN)	MICRODUCT MIN ID (MM)	MICRODUCT MIN ID (IN)	OVERSHEATH (IN)	WEIGHT (LB/FT)	BEND RADIUS SUP* (IN)	BEND RADIUS UNSUP* (IN)	SWPS† (LBS)
5/3.5	0.51	3.4	0.13	0.04	0.040	7	11	220
8.5/6	0.85	5.9	0.23	0.06	0.110	11	19	593
10/8	0.99	8.1	0.32	0.07	0.128	10	20	684
10/8 (FLAT)	1.29	8.1	0.32	0.05	0.116	19	32	619
12.7/10	1.14	9.8	0.39	0.07	0.191	12	24	1,021
14/10	1.17	9.8	0.39	0.04	0.193	19	31	1,026
16/12	1.49	11.6	0.46	0.07	0.292	15	30	1,559
16/12 (FLAT)	1.98	11.6	0.46	0.05	0.265	20	40	1,412
16/13	1.49	12.8	0.50	0.07	0.247	20	33	1,331
16/13 (FLAT)	1.98	12.8	0.50	0.05	0.220	20	40	1,184
18/14	1.67	13.6	0.54	0.07	0.330	22	37	1,776
18/14 (FLAT)	2.23	13.6	0.54	0.05	0.306	22	45	1,645
22/16	1.79	15.4	0.61	0.05	0.413	18	36	2,111
27/20	2.37	20.7	0.81	0.05	0.532	31	52	2,847

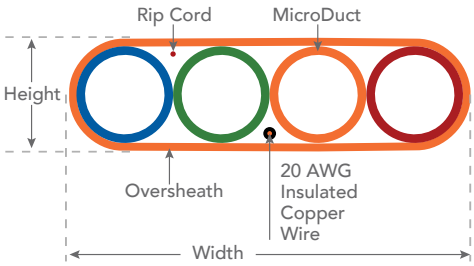
** Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.*
† Safe working pull strength is calculated at 80% of tensile or breaking strength

MICROTECHNOLOGY

FUTUREPATH 4-WAY







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	0.04	0.050	7	12	276
8.5/6	0.93	5.9	0.23	0.06	0.136	12	20	733
10/8	1.04	8.1	0.32	0.04	0.120	11	17	635
12.7/10	1.34	9.8	0.39	0.07	0.236	13	27	1,260
12.7/10 (FLAT)	2.14	9.8	0.39	0.05	0.223	21	42	1,189
14/10	1.47	9.8	0.39	0.07	0.320	13	25	1,709
16/12	1.66	11.6	0.46	0.07	0.368	17	33	1,963
16/13	1.65	12.8	0.50	0.07	0.308	25	41	1,658
16/13 (FLAT)	2.67	12.8	0.50	0.05	0.290	39	66	1,516
18/14	1.86	13.6	0.54	0.07	0.417	19	37	2,243
22/16	2.23	15.4	0.61	0.07	0.613	28	47	2,840
27/20	2.68	20.7	0.81	0.07	0.751	40	67	4,024

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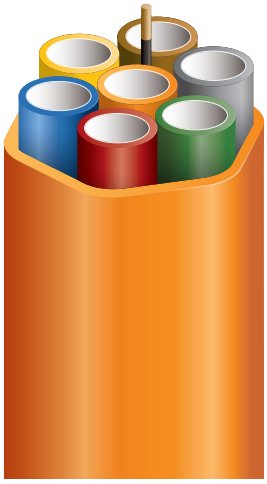
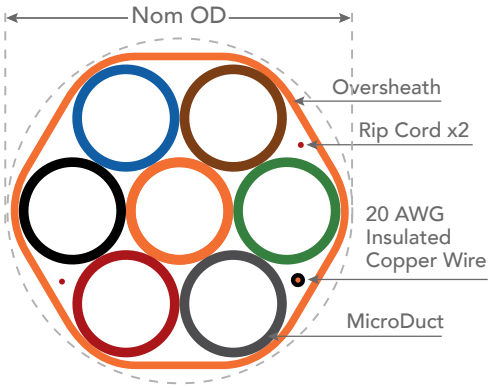
† Safe working pull strength is calculated at 80% of tensile or breaking strength

MICROTECHNOLOGY

FUTUREPATH 7-WAY





FUTUREPATH 7-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	0.67	3.4	0.13	0.04	0.075	7	13	409
7/5.5	0.93	5.6	0.22	0.05	0.116	9	19	633
8.5/6	1.13	5.9	0.23	0.06	0.207	16	26	1,112
10/8	1.29	8.1	0.32	0.05	0.204	13	26	1,080
12.7/10	1.64	9.8	0.39	0.07	0.360	16	33	1,926
14/10	1.77	9.8	0.39	0.05	0.465	18	35	2,474
16/12	2.03	11.6	0.46	0.07	0.579	20	40	3,079
16/13	2.03	12.8	0.50	0.07	0.471	20	41	2,530
18/14	2.27	13.6	0.54	0.07	0.656	31	52	3,522
22/16	2.74	15.4	0.61	0.07	1.047	38	63	5,588
27/20	2.97	20.7	0.81	0.05	1.126	49	81	6,013

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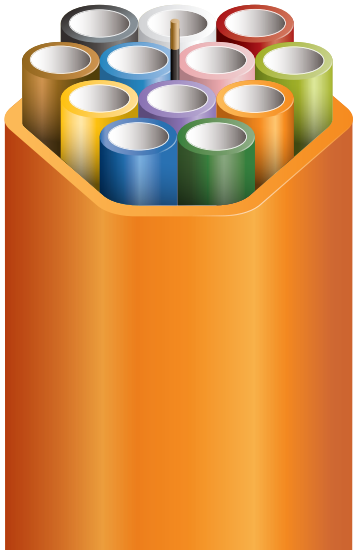
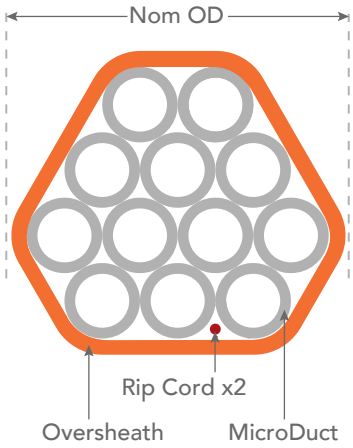
MICROTECHNOLOGY

FUTUREPATH 12-WAY





FUTUREPATH 12-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	0.89	3.4	0.13	0.05	0.123	9	18	674
8.5/6	1.48	5.9	0.23	0.06	0.322	26	33	1,727
10/8	1.70	8.1	0.32	0.05	0.314	17	34	1,655
12.7/10	2.14	9.8	0.39	0.07	0.566	20	40	3,004

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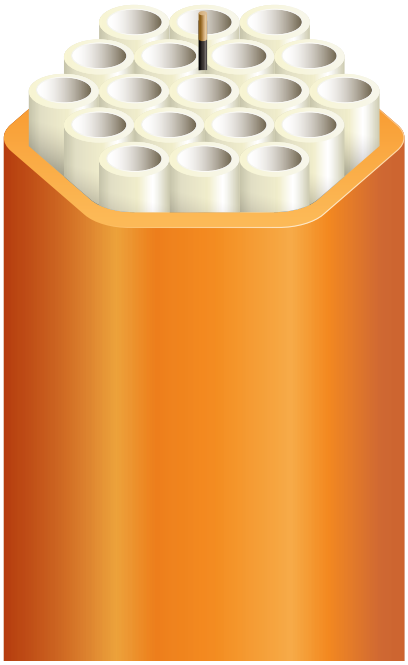
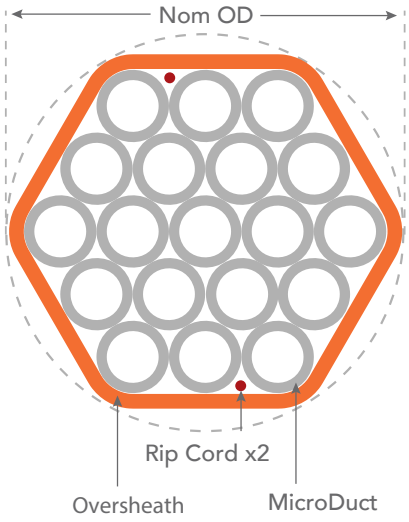
MICROTECHNOLOGY

FUTUREPATH 19-WAY





FUTUREPATH 19-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	1.07	3.4	0.13	0.04	0.168	14	24	920
8.5/6	1.80	5.9	0.23	0.06	0.472	24	41	2,528
10/8	2.09	8.1	0.32	0.06	0.489	21	42	2,577
12.7/10	2.64	9.8	0.39	0.07	0.826	24	47	4,373

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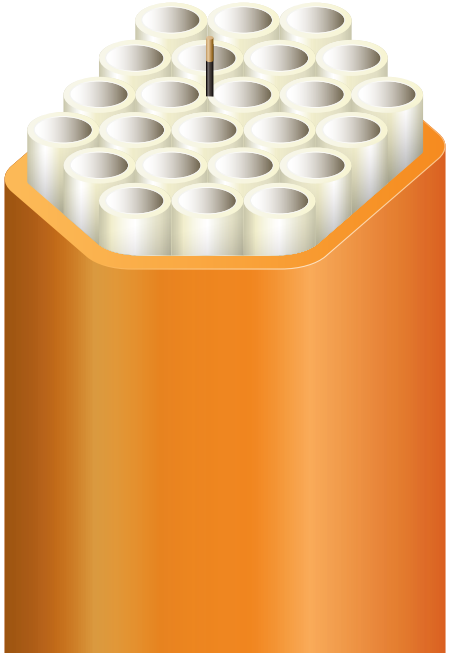
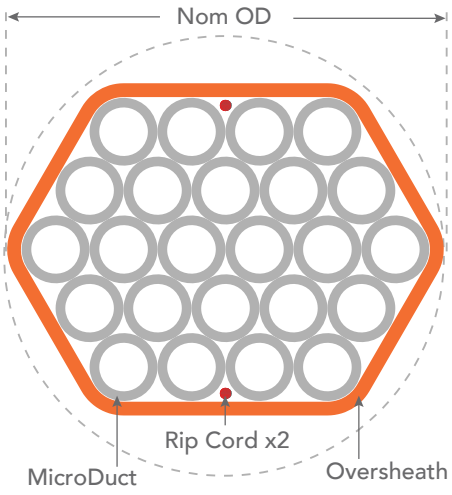
MICROTECHNOLOGY

FUTUREPATH 24-WAY





FUTUREPATH 24-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	1.27	3.4	0.13	0.04	0.202	14	24	1,120
8.5/6	2.13	5.9	0.23	0.06	0.579	24	41	3,099

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