

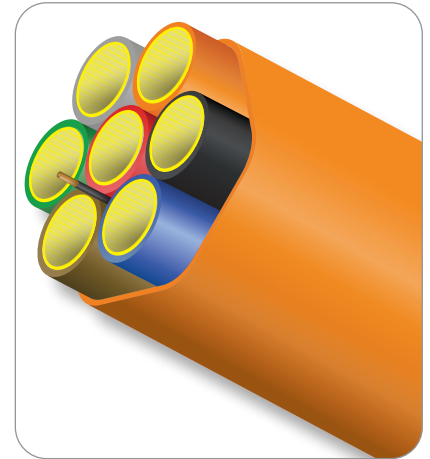
Molex Jetted Fiber- Pathway



Multiple jetted fiber ducts (MicroDucts) for one installation cost, allows flexibility and future readiness.

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. Molex 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.



Oversheath & Microduct Colors



Custom colors available for MicroDucts and Oversheath

Standard

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

SEQUENTIAL FOOT OR METER MARKINGS Custom print strings available

RIP CORD(S) for easy opening of the sheath

SUPERSILICORE is co-extruded with the tough HDPE wall creating a permanent, super slippery interior lining. It has the lowest co-efficient of friction compared to other options, no performance loss in all temperature conditions and functions without additional wet lubricants

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

FEATURES

Installation Types

- Plow
- Micro-Trench

Configurations

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

www.molexces.com

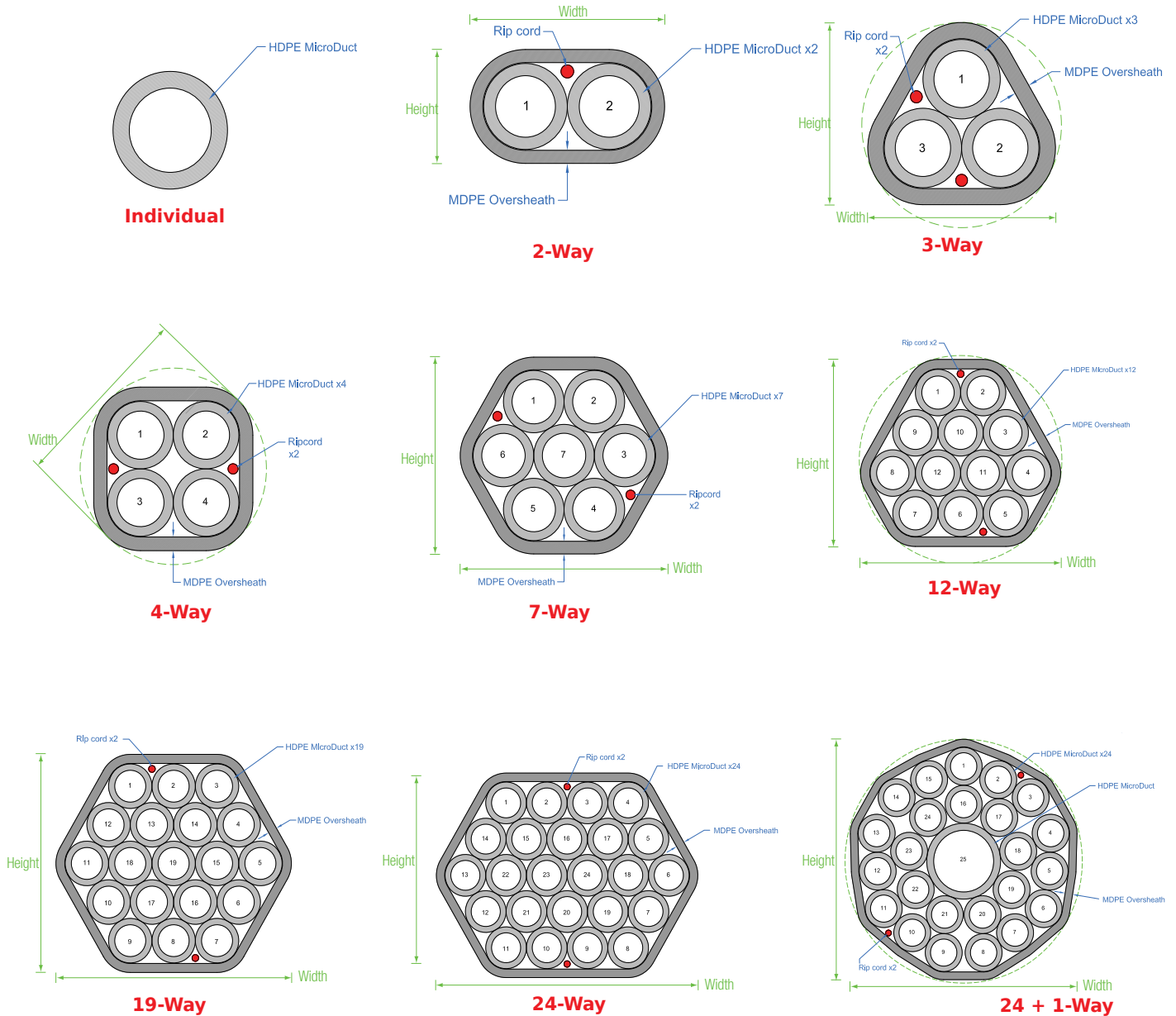
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Molex Jetted Fiber- Pathway



Molex Jetted Fiber (MJF) Pathway is available in many sizes and configurations to suit your network installation needs. Manufacturing materials are HDPE, riser, plenum and armored. MicroDuct sizes include 12.7 mm and 8.5 mm to accommodate your fiber requirements. Configurations from a single MicroDuct to 24 MicroDucts will allow for rapid deployment of fiber today with permanent pathways in place for future growth.

Configurations



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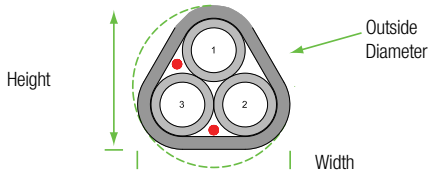
MicroDuct System—8.5 mm/6 mm

MicroDuct Specifications



MJF Pathway 24-Way Configuration

PARAMETER	VALUE
OD	8.5 mm ± 0.10 (0.335" ± 0.004")
Wall Min.	1.14mm (0.045")
Wall Max.	1.24mm (0.049")
ID Min.	5.92mm (0.233")
Materials	HDPE, Riser, Plenum, Armored
Fiber Count	6, 12, 24, 48, 72, 96 strand MicroCable SM, MM
Shipping Length (in feet per reel)	1,000 2,500 4,000 5,000 6,000 Custom lengths available



Outside Dimensions: Height x Width

Outside Diameter: Used to Calculate Fill Ratios

Mechanical Specifications

PARAMETER	CONFIGURATION						
	2-WAY	3-WAY	4-WAY	7-WAY	12-WAY	19-WAY	24-WAY
Outside Dimensions HxW (inches)	0.44/0.77	0.75/0.79	0.79/0.93	1.04/1.13	1.33/1.46	1.62/1.80	1.62/2.13
Outside Dimensions HxW (mm)	11.2/19.7	19.0/20.2	20.2/23.7	26.4/28.7	33.8/37.2	41.1/45.7	41.1/54.2
Outside Diameter (inches)	0.77	0.85	0.93	1.13	1.48	1.80	2.13
Outside Diameter (mm)	19.7	21.5	23.7	28.7	37.7	45.7	54.2
Over-Sheath Thickness	0.050"	0.060"	0.060"	0.060"	0.060"	0.060"	0.060"
HDPE Over-Sheath Color	Orange	Orange	Orange	Orange	Orange	Orange	Orange
Rated Over-Sheath Color	Natural	Natural	Natural	Natural	Natural	Natural	Natural
MicroDuct	Natural	Natural	Natural	Natural	Natural	Natural	Natural
HDPE Locate Wire (optional)	20 ga.	20 ga.	20 ga.	20 ga.	20 ga.	20 ga.	20 ga.
Rated Locate Wire	No	No	No	No	No	No	No
Ripcords	2	2	2	2	2	2	2
Bend Radius Supported	5"	8"	8"	11"	14"	16"	16"
Bend Radius Un-Supported	10"	16"	16"	22"	28"	32"	32"

MicroDuct System—8.5 mm/6 mm (cont.)

Ordering Information

DESCRIPTION	MOLEX ORDER NUMBER			
	1000 FT	2500 FT	4000 FT	5000 FT
8.5 mm x 6 mm 1-way HDPE	—	—	—	—
8.5 mm x 6 mm 2-way HDPE	MJF-104624-1K	MJF-104624-2.5K	—	MJF-104624-5K
8.5 mm x 6 mm 3-way HDPE	—	—	—	—
8.5 mm x 6 mm 4-way HDPE	MJF-108887-1K	MJF-108887-2.5K	—	MJF-108887-5K
8.5 mm x 6 mm 7-way HDPE	—	MJF-108888-2.5K	—	MJF-108888-5K
8.5 mm x 6 mm 12-way HDPE	MJF-104664-1K	MJF-104664-2.5K	—	MJF-104664-5K
8.5 mm x 6 mm 19-way HDPE	MJF-106770-1K	MJF-106770-2.5K	—	MJF-106770-5K
8.5 mm x 6 mm 24-way HDPE	MJF-104669-1K	MJF-104669-2.5K	—	MJF-104669-5K
8.5 mm x 6 mm 1-way Riser	MJF-108758-1K	MJF-108758-2.5K	—	MJF-108758-5K
8.5 mm x 6 mm 2-way Riser	MJF-108986-1K	MJF-108986-2.5K	—	MJF-108986-5K
8.5 mm x 6 mm 3-way Riser	—	—	—	—
8.5 mm x 6 mm 4-way Riser	MJF-108990-1K	MJF-108990-2.5K	—	MJF-108990-5K
8.5 mm x 6 mm 7-way Riser	MJF-104594-1K	MJF-104594-2.5K	—	MJF-104594-5K
8.5 mm x 6 mm 12-way Riser	MJF-108980-1K	MJF-108980-2.5K	—	MJF-108980-5K
8.5 mm x 6 mm 19-way Riser	MJF-108982-1K	MJF-108982-2.5K	—	MJF-108982-5K
8.5 mm x 6 mm 24-way Riser	MJF-108985-1K	MJF-108985-2.5K	—	MJF-108985-5K
8.5 mm x 6.7 mm 1-way Plenum	MJF-108755-1K	MJF-108755-2.5K	—	MJF-108755-5K
8.5 mm x 6.7 mm 2-way Plenum	MJF-110093-1K	MJF-110093-2.5K	—	MJF-110093-5K
8.5 mm x 6.7 mm 3-way Plenum	MJF-110096-1K	MJF-110096-2.5K	—	MJF-110096-5K
8.5 mm x 6.7 mm 4-way Plenum	MJF-110094-1K	MJF-110094-2.5K	—	MJF-110094-5K
8.5 mm x 6.7 mm 7-way Plenum	MJF-110098-1K	MJF-110098-2.5K	—	MJF-110098-5K
8.5 mm x 6.7 mm 12-way Plenum	MJF-110100-1K	MJF-110100-2.5K	—	MJF-110100-5K
8.5 mm x 6.7 mm 19-way Plenum	MJF-104858-1K	MJF-104858-2.5K	—	MJF-104858-5K
8.5 mm x 6.7 mm 24-way Plenum	MJF-110104-1K	MJF-110104-2.5K	—	MJF-110104-5K
8.5 mm x 6 mm 4-way Armored	—	—	MJF-104888	—
8.5 mm x 6 mm 7-way Armored	—	—	MJF-104889	—
8.5 mm x 6 mm 19-way Armored	—	—	MJF-104890	—