

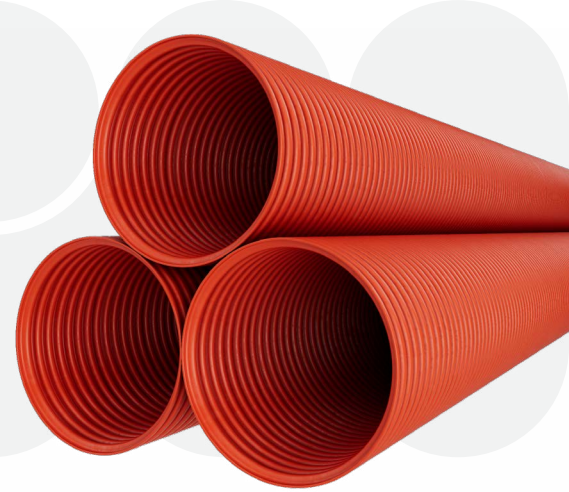
Plenum & Riser Raceways

Cable Management & Protection



Plenum & Riser

Cable Management & Protection



Manufactured of polyvinylidene fluoride (PVDF) resin, Infra Pipes' plenum & riser is corrugated to provide a low-friction path for installation and protection of electrical cable in residential and commercial building applications. Designed to protect delicate fiber-optic cables in demanding environments, they are available in sizes ½" (13mm) to 2" (51mm), and include pre-installed UL Listed pull lines for efficient cable installation.

Advantages

Flexible & Durable

Infra Pipes' Plenum and Riser raceways are engineered for superior flexibility and durability, ensuring they won't kink or become brittle, and are available in lengths from small hand coils to master reels.

Fire Resistant

These conduits are UL-listed for safety and performance, with fire-resistant properties that meet or exceed UL 2024 flame-propagation standards.

Colour Variety

Riser is available in orange and natural/white, and Plenum is available in orange and white. These corrugated raceways can also be customized in other colors upon request.

Corrugated

Plenum & Riser by Infra Pipes is corrugated to provide a clean, extremely low-friction path for cable installation in a variety of building environments.

ADDITIONAL ADVANTAGES

- Meets requirements of NEC 2002, Section 770 and 800
- Non-metallic
- Non-halogenated
- Sequential footmarks

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PLENUM & RISER NOMINAL DIMENSIONS		
Nominal Size	Nominal ID	Nominal OD
1/2" (12.7mm)	0.650" (16.51mm) ID	0.850" (21.59mm) OD
3/4" (19.05mm)	0.870" (22.098mm) ID	1.125" (28.575mm) OD
1" (25.4mm)	1.100" (27.94mm) ID	1.350" (34.29mm) OD
1 1/4" (31.75mm)	1.250" (31.75mm) ID	1.600" (40.64mm) OD
1 1/2" (38.1mm)	1.500" (38.1mm) ID	1.870" (47.498mm) OD
2" (50.8mm)	2.000" (50.8mm) ID	2.400" (60.96mm) OD

Corrugated for Flexibility

PLENUM & RISER MATERIAL	
Plenum/PL	Resin/RI
PVDF Resin	Nylon Resin

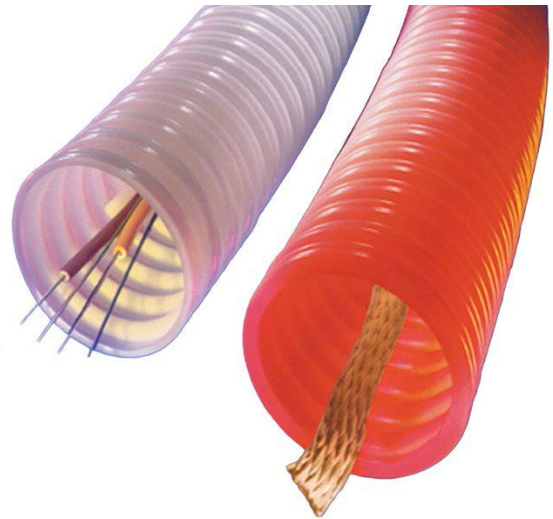
Packaging

Hand coils of 250 ft (76.2m) & 500 (152.4m) ft

Reel lengths of 1,000 ft (304.8m) or longer

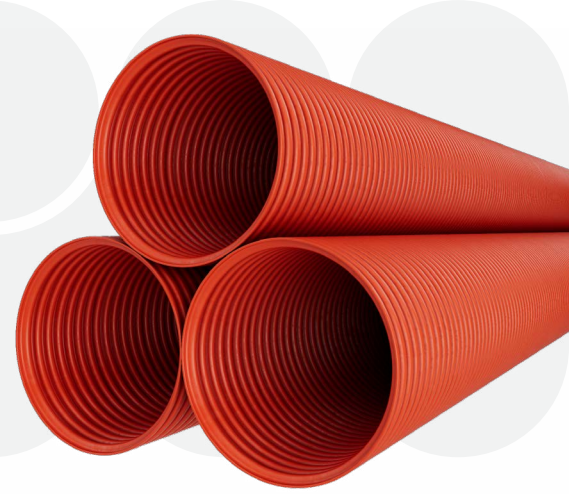
Pull Line or Cable

Pre-installed UL Listed 900# Polyester pull tape



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PLENUM PL		
Acceptance Criteria UL Standard 2024 (UL Test 2024)	Test Method	Value
Maximum Flame Propagation	UL 2024, sec. 8	1.50 ft (45.72cm)
Peak Optical Smoke Density	UL 2024, sec. 8	0.60
Average Optical Smoke Density	UL 2024, sec. 8	0.01
Fire Resistance		
Oxygen Index	ASTM D2863	63%
Flame Rating	ASTM D2863	S-E
UL Classification	UL 94	V-O
Electrical Properties		
Dielectric Strength	ASTM D149	541 V/mil
Dielectric Constant @ 5 MHz	ASTM D150	5.2

RISER/RI		
Acceptance Criteria UL Standard 2024 (UL Test 1666)	Test Method	Value
Maximum Flame Propagation	UL 2024, sec. 9	4.25 ft (1.3m)
Maximum Damage Height	UL 2024, sec. 9	6.75 ft (2.06m)
Mechanical Properties		
Tensile Strength, Yield	ASTM D638	7,800 PSI
Flexural Strength	ASTM D790	9,200 PSI
Thermal Properties		
Melting Point	ASTM D789	420°F (216°C)

Our Locations

Saskatoon, SK

Huntsville, ON

Mississauga, ON
(Headquarters)

Rockaway, NJ

Greenville, TN

Pryor, OK

Jacksonville, FL



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