

Conduit

Smoothwall, Ribbed and UL



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Conduit from Infra Pipes Solutions is the ideal solution for electrical and telecommunications systems, offering exceptional flexibility, ductility, and corrosion resistance. Available in multiple sizes, colors, dimensions, and lengths, Conduit offers versatile, durable protection for interior and exterior applications.

Applications

Conduit is the ideal material for housing and protecting electrical power and telecommunications cables in aerial, buried, power transmission, telecommunications, Fiber To The Home or node (FTTH), Cable Television (CATV), Supervisory Control and Data Acquisition (SCADA), and Intelligent Transportation Systems (ITS) applications. Infra Pipes offers conduit in smoothwall, ribbed, and UL electrical conduit types.

Smoothwall

Smoothwall meets ASTM F2160 standards and is available in diameters ranging from ½" (13mm) to 12" (305mm), with striping. Common wall specification options are Standard Dimension Ratio (SDRs) 9, 11, and 13.5, with additional SDRs available.

Ribbed

Internally longitudinally ribbed in diameter sizes ranging from ¾" (20mm) to 2" (51mm).

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Advantages

Flexible

Conduit is supplied in long coils on spools or reels, making it adaptable to all project needs and ensuring easy installation.

Corrosion-Resistant

Highly resistant to harsh chemicals, aggressive soils, corrosion, and does not support biological growth, ensuring a maintenance-free life cycle.



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Low Coefficient of Friction (COF)

Corrugated for the lowest possible COF, preventing the cable from spiraling during installation.

High Ductility

Withstands wear and tear during transit, handling, and assembly.

Durability

Conduit can withstand all job-site conditions and operates over a wide temperature range, ensuring a service life of over 100 years.

Conduit Smoothwall Duct and Innerduct is ASTM F2160 – O.D. Controlled



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Conduit UL Listed HDPE Conduit - UL 651A + NEMA TC7

Trade Size	Nominal OD	EPEC A		EPEC-13.5		EPEC-11		EPEC-9		SCH 40		SCH 80	
		Min. Wall	Min. ID	Min. Wall	Min. ID	Min. Wall	Min. ID	Min. Wall	Min. ID	Min. Wall	Min. ID	Min. Wall	Min. ID
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
¾"	1.050					0.095	0.860						
	(26.67)					(2.41)	(21.84)						
1"	1.315			0.097	1.121	0.120	1.075	0.146	1.023	0.133	1.049	0.179	0.957
	(33.40)			(2.46)	(28.47)	(3.05)	(27.30)	(3.71)	(25.98)	(3.38)	(26.64)	(4.55)	(24.31)
1¼"	1.660			0.123	1.414	0.151	1.358			0.140	1.380	0.191	1.278
	(42.16)			(3.12)	(35.91)	(3.84)	(34.39)			(3.56)	(35.05)	(4.85)	(32.46)
1½"	1.900			0.141	1.618	0.173	1.554	0.211	1.478	0.145	1.610	0.200	1.500
	(48.26)			(3.58)	(41.10)	(4.39)	(39.47)	(5.36)	(37.54)	(3.68)	(40.89)	(5.08)	(38.10)
2"	2.375	0.145	2.085	0.176	2.023	0.216	1.943	0.264	1.847	0.154	2.067	0.218	1.939
	(60.33)	(3.68)	(52.96)	(4.47)	(51.38)	(5.49)	(49.35)	(6.71)	(46.91)	(3.91)	(52.50)	(5.54)	(49.25)
2½"	2.875	0.203	2.469	0.213	2.449			0.319	2.237	0.203	2.469	0.276	2.323
	(73.03)	(5.16)	(62.71)	(5.41)	(62.20)			(8.11)	(56.82)	(5.16)	(62.71)	(7.01)	(59.00)
3"	3.500			0.259	2.982	0.318	2.864	0.389	2.722	0.216	3.068	0.300	2.900
	(88.90)			(6.58)	(75.74)	(8.08)	(72.74)	(9.88)	(69.14)	(5.49)	(77.93)	(7.62)	(73.66)
4"	4.500	0.237	4.026	0.333	3.834			0.500	3.500	0.237	4.026	0.337	3.826
	(114.30)	(6.02)	(102.26)	(8.46)	(97.38)			(12.7)	(88.90)	(6.02)	(102.26)	(8.56)	(97.18)

AVAILABLE COLOURS:

- Black
- Orange
- Red
- Blue
- Grey

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Smoothwall Duct & Innerduct ASTM F2160

Trade Size	Nominal OD	SDR 15.5		SDR 13.5		SDR 11		SDR 9		Schedule 40		Schedule 80	
		Min. Wall	Min. ID	Min. Wall	Min. ID	Min. Wall	Min. ID	Min. Wall	Min. ID	Min. Wall	Min. ID	Min. Wall	Min. ID
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
½"	0.840	0.062	0.716	0.062	0.716	0.076	0.688	0.093	0.654	0.109	0.622	0.147	0.546
	(21.34)	(1.57)	(18.19)	(1.57)	(18.19)	(1.93)	(17.48)	(2.36)	(16.61)	(2.77)	(15.80)	(3.73)	(13.87)
¾"	1.050	0.068	0.914	0.078	0.894	0.095	0.860	0.117	0.816	0.113	0.824	0.154	0.742
	(26.67)	(1.73)	(23.21)	(1.98)	(22.71)	(2.41)	(21.84)	(2.97)	(20.73)	(2.87)	(20.93)	(3.91)	(18.85)
1"	1.315	0.084	1.147	0.097	1.121	0.120	1.075	0.146	1.023	0.133	1.049	0.179	0.957
	(33.40)	(2.13)	(29.14)	(2.46)	(28.47)	(3.05)	(27.30)	(3.71)	(25.98)	(3.38)	(26.64)	(4.55)	(24.31)
1¼"	1.660	0.107	1.446	0.123	1.414	0.151	1.358	0.184	1.292	0.140	1.380	0.191	1.278
	(42.16)	(2.72)	(36.72)	(3.12)	(35.91)	(3.84)	(34.49)	(4.67)	(32.82)	(3.56)	(35.05)	(4.85)	(32.46)
1½"	1.900	0.123	1.654	0.141	1.618	0.173	1.554	0.211	1.478	0.145	1.610	0.200	1.500
	(48.26)	(3.12)	(42.01)	(3.58)	(41.10)	(4.39)	(39.47)	(5.36)	(37.54)	(3.68)	(40.89)	(5.08)	(38.10)
2"	2.375	0.153	2.069	0.176	2.023	0.216	1.943	0.264	1.847	0.154	2.067	0.218	1.939
	(60.33)	(3.89)	(52.55)	(4.47)	(51.38)	(5.49)	(49.35)	(6.71)	(46.91)	(3.91)	(52.50)	(5.54)	(49.25)
2½"	2.875	0.185	2.505	0.213	2.449	0.261	2.353	0.319	2.237	0.203	2.469	0.276	2.323
	(73.03)	(4.70)	(63.63)	(5.41)	(62.60)	(6.64)	(59.77)	(8.11)	(56.82)	(5.16)	(62.71)	(7.01)	(59.00)
3"	3.500	0.226	3.048	0.259	2.982	0.318	2.864	0.389	2.722	0.216	3.068	0.300	2.900
	(88.90)	(5.74)	(77.42)	(6.58)	(75.74)	(8.08)	(72.74)	(9.88)	(69.14)	(5.49)	(77.93)	(7.62)	(73.66)
4"	4.500	0.290	3.920	0.333	3.834	0.409	3.682	0.500	3.500	0.237	4.026	0.337	3.826
	(114.30)	(7.37)	(99.57)	(8.46)	(97.38)	(10.39)	(93.52)	(12.7)	(88.90)	(6.02)	(102.26)	(8.56)	(97.18)
5"	5.563	0.359	4.845	0.412	4.739	0.506	4.551	0.618	4.327	0.258	5.047	0.375	4.813
	(141.30)	(9.12)	(123.06)	(10.47)	(120.37)	(12.86)	(115.60)	(15.7)	(109.91)	(6.55)	(128.19)	(9.53)	(122.25)

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Smoothwall Duct & Innerduct ASTM F2160 (Continued)

Trade Size	Nominal OD	SDR 15.5		SDR 13.5		SDR 11		SDR 9		Schedule 40		Schedule 80	
		Min. Wall	Min. ID	Min. Wall	Min. ID	Min. Wall	Min. ID	Min. Wall	Min. ID	Min. Wall	Min. ID	Min. Wall	Min. ID
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
6"	6.625	0.427	5.771	0.491	5.643	0.602	5.421	0.736	5.153	0.280	6.065	0.432	5.761
	(141.30)	(10.85)	(146.58)	(12.47)	(143.33)	(15.29)	(137.69)	(18.69)	(130.89)	(7.11)	(154.05)	(10.97)	(146.33)
8"	8.625			0.639	7.347	0.784	7.057	0.958	6.709				
	(219.08)			(16.23)	(186.61)	(19.91)	(179.24)	(24.3)	(170.41)				
10"	10.750			0.796	9.158	0.977	8.796	1.194	8.362				
	(273.05)			(20.23)	(232.61)	(24.82)	(223.41)	(30.34)	(212.39)				
12"	12.750			0.944	10.862	1.159	10.432	1.417	9.916				
	(323.85)			(23.99)	(275.89)	(29.44)	(264.97)	(35.98)	(251.87)				

AVAILABLE COLOURS:

Black

Orange

Green

Red

Grey

Blue

Other colours (on request - subject to F2160 compatibility considerations)

Striping (available upon request)

Inner ribbed options available on request (size dependent)

PULL LINES AVAILABLE:

900# polyester

1250# polyester

1800# polyester

2500# polyester

Our Locations

Saskatoon, SK

Huntsville, ON

Mississauga, ON
(Headquarters)

Rockaway, NJ

Pryor, OK

Greenville, TN

Jacksonville, FL



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