



Product Description

Conduit is made from High Density Polyethylene resin.

Technical Details

Polyethylene plastics are plastics or resins prepared by the polymerization of no less than 85% ethylene and no less than 95% of total olefins with additional compounding ingredients. All Bulldog Pipe is made in accordance with ASTM F2160 and NEMA TC7 standards. UV Protection standard.

Traffic Signal Conduit
1" – C1SDR135BKTWT
1 ½" – C15SDR135BKTWT
2" – C2SDR135BKTWT
3" – C3SDR135BKTWT
4" – C4SDR135BKTWT

Property	Units	Test Method	Acceptable Range	Value, PE
Density	g/cm ³	D1505	>0.940 - 0.947	3
Melt index	g/10 min	D1238	<0.4 to <0.15	3 or 4
Flexural modulus	psi	D790	> 80,000	4-5
Tensile strength at yield	psi	D638	3000 - 4000	4 or 5
SCGR	hours	D1693	F10 >96 h	8
Hydrostatic Strength Classification	psi	D2837	Undefined	0 - 4
Color and UV stabilizer	N/A	D3350	A - E	B - E



Applications

Telecom, Energy, Utilities

Print Line

Custom print line options are available. The standard print line is marked in contrasting color with the following information:

Manufacturer: Bulldog Pipe

Product Size/SDR

Production Information (Date, location, period)

Length in feet on reel

Available Options

This product is manufactured in a variety of IPS (iron pipe size) diameters: .75", 1", 1.25", 1.5", 2", 2.5", 3", and 4".

Reel dimensions available: 48" width steel reels unless otherwise quoted. Diameters available 48", 66", 72", 83", 96", and 102"

Smooth/Ribbed Wall options available: smooth or ribbed inside wall is available, smooth outside wall.

Custom print line available upon request.

Pull tape/string options available: Standard tape weight is 1130#, but 1250#, 1800#, and 2500# also available. Toneable tape also available.

Segmented Reels: 2-way and 3-way configurations available.

Colors/Striping: Solid colors or stripes available in the following standard colors: Orange, Blue, Black, Red, Gray, White, and Green. Other colors are available on custom requests.

Coextruded: Outer layer available in all standard colors with an inner layer black core pipe. This is a cost saving option due to the carbon black colorant on the inner wall of the pipe.

EZ-Find (toneable): 18awg tracer wire standard (other options available) embedded in the wall of the pipe. Available in 1"-2" diameters. Separate product data sheet available for EZ-Find.

EZ-Glide (lubricated inner wall): Co-extruded siloxane inner layer designed to decrease the coefficient of friction.

UL 651A: ETL listed to 651A available in SDR 13.5, Schedule 40 and Schedule 80 from .75"-4" diameters. Separate product data sheet available for UL standards.

Bulldog Pipe LLC-Tech Data Sheet

IPS Size	IPS Size	Avg. OD	SDR PSI	7 335	7.3 320	9 250	11 200	13.5 160	15.5 139	17 130
3/4	3/4	1.05	Min Wall	-	-	0.117	0.095	0.078	-	-
			Avg ID	-	-	0.796	0.84	0.874	-	-
			Weight p/ft	-	-	0.152	0.129	0.11	-	-
1	1	1.315	Min Wall	0.188	0.180	0.146	0.120	0.097	0.085	-
			Avg ID	0.916	0.933	1.005	1.061	1.109	1.127	-
			Weight p/ft	0.288	0.278	0.235	0.200	0.168	0.151	-
1 1/4	1 1/4	1.66	Min Wall	0.237	0.227	0.184	0.151	0.123	0.107	0.107
			Avg ID	0.157	1.178	1.292	1.358	1.414	1.446	1.465
			Weight p/ft	0.459	0.442	0.372	0.314	0.264	0.235	0.206
1 1/2	1 1/2	1.9	Min Wall	0.271	0.260	0.211	0.173	0.141	0.123	0.112
			Avg ID	1.325	1.348	1.478	1.554	1.618	1.654	1.676
			Weight p/ft	0.600	0.580	0.487	0.410	0.344	0.306	0.270
2	2	2.375	Min Wall	0.339	0.325	0.264	0.216	0.176	0.153	0.140
			Avg ID	1.656	1.685	1.815	1.917	2.002	2.069	2.078
			Weight p/ft	0.939	0.906	0.763	0.640	0.530	0.459	0.430
2 1/2	2 1/2	2.875	Min Wall	0.411	0.394	0.319	0.261	0.216	0.185	0.169
			Avg ID	2.004	2.04	2.198	2.321	2.424	2.482	2.516
			Weight p/ft	1.377	1.329	1.109	0.928	0.771	0.677	0.622
3	3	3.5	Min Wall	0.500	0.479	0.389	0.318	0.259	0.226	0.206
			Avg ID	2.440	2.484	2.676	2.825	2.950	3.021	3.064
			Weight p/ft	1.377	1.968	1.646	1.376	1.141	1.006	0.923
4	4	4.5	Min Wall	0.643	0.616	0.500	0.409	0.333	0.290	0.265
			Avg ID	3.137	3.193	3.440	3.633	3.793	3.885	3.939
			Weight p/ft	3.372	3.253	2.720	2.275	1.887	1.660	1.526

Standard Reel Lengths *Custom lengths available upon request

Pipe Diameter	66" Reel	84" Reel	96" Reel			102" Reel		
	Single	Single	Single	Double	Triple	Single	Double	Triple
.75"	9,000	12,000	15,000	14,000				
1"	6,000	8,000	10,000	10,000	9,800			
1.25"	3,350	6,000	8,000	8,000	7,500	9,000	8,800	8,400
1.5"	2,200	3,500	6,000	5,600	5,400	7,000	6,800	6,600
2"	1,100	3,000	4,000	3,400	3,300	5,000	4,200	4,000
2.5"		1,500	2,000			2,500		
3"			1,000			1,200		
4"			600			750		

Standard Truckload Capacity

Reel Size	Reels per Truck
66"	16
72"	16
83"	14
96"	12
102"	12

