

XBS - Black Stripe Tubing

High quality, flexible tubing for use in any low-volume irrigation system

- 1/2" & 3/4" blank tubing extruded from polyethylene resin materials for consistent durability
- Available in five color stripes to differentiate zones
- UV-resistant for installations at or below grade

Features

- Compact coils for easy storage and shipping



Black Stripe Tubing

Specifications

1/2" Tubing Models

- Outside diameter: 0.705" (18 mm)
- Inside diameter: 0.615" (15.6 mm)
- Wall thickness: 0.045" (1.2 mm)
- Lengths: 500' coils

3/4" Tubing Models

- Outside diameter: 0.940" (24 mm)
- Inside diameter: 0.820" (21 mm)
- Wall thickness: 0.060" (1.5 mm)
- Lengths: 500' coils only

Operating Range

- Pressure: 0 to 60 psi (0 to 4.1 bar)

Models

1/2" Models

- XBS100: 1/2" tubing, 100 foot (30 m) coil with green striping
- XBS500: 1/2" tubing, 500 foot (152 m) coil with green striping
- XBS100B: 1/2" tubing, 100 foot (30 m) coil with black striping
- XBS500B: 1/2" tubing, 500 foot (152 m) coil with black striping
- XBS100R: 1/2" tubing, 100 foot (30 m) coil with red striping
- XBS500R: 1/2" tubing, 500 foot (152 m) coil with red striping
- XBS500Y: 1/2" tubing, 500 foot (152 m) coil with yellow striping
- XBS500P: 1/2" tubing, 500 foot (152 m) coil with purple striping

3/4" Tubing Models

- XBS075500G: 3/4" tubing, 500 foot (152 m) coil with green striping
- XBS075500P: 3/4" tubing, 500 foot (152 m) coil with purple striping

1/2" XBS - Tubing Friction Loss Characteristics

O.D. .705" I.D. .615"			O.D. 18 mm I.D. 15.5mm METRIC			
Flow gpm	Velocity fps	Loss psi	Flow m ³ /h	Flow l/h	Velocity m/s	Loss bar
0.50	0.54	0.14	0.11	113.6	0.16	0.03
1.00	1.08	0.52	0.23	227.1	0.33	0.12
1.50	1.62	1.09	0.34	340.7	0.49	0.25
2.00	2.16	1.86	0.45	454.3	0.66	0.42
2.50	2.70	2.81	0.57	567.8	0.82	0.64
3.00	3.24	3.94	0.68	681.4	0.99	0.89
3.50	3.78	5.24	0.79	794.9	1.15	1.19
4.00	4.31	6.71	0.91	908.5	1.32	1.52
4.50	4.85	8.35	1.02	1022.1	1.48	1.89
5.00	5.39	10.15	1.14	1135.6	1.64	2.30
5.50	5.93	12.11	1.25	1249.2	1.81	2.74
6.00	6.47	14.22	1.36	1362.8	1.97	3.22

3/4" XBS - Tubing Friction Loss Characteristics

O.D. .940" I.D. .820"			O.D. 23.9mm ID 20.8mm METRIC			
Flow gpm	Velocity fps	Loss psi	Flow m ³ /h	Flow l/h	Velocity m/s	Loss bar
0.50	0.30	0.03	0.11	113.6	0.09	0.01
1.00	0.61	0.11	0.23	227.1	0.19	0.03
1.50	0.91	0.24	0.34	340.7	0.28	0.05
2.00	1.22	0.40	0.45	454.2	0.37	0.09
2.50	1.52	0.61	0.57	567.8	0.46	0.14
3.00	1.82	0.86	0.68	681.4	0.56	0.19
3.50	2.13	1.14	0.79	794.9	0.65	0.26
4.00	2.43	1.46	0.91	908.5	0.74	0.33
4.50	2.74	1.81	1.02	1022.1	0.83	0.41
5.00	3.04	2.20	1.14	1135.6	0.93	0.50
5.50	3.34	2.63	1.25	1249.2	1.02	0.59
6.00	3.65	3.09	1.36	1362.7	1.11	0.70
6.50	3.95	3.58	1.48	1476.3	1.20	0.81
7.00	4.25	4.11	1.59	1589.9	1.30	0.93
7.50	4.56	4.67	1.70	1703.4	1.39	1.06
8.00	4.86	5.26	1.82	1817.0	1.48	1.19
8.50	5.17	5.88	1.93	1930.6	1.57	1.33
9.00	5.47	6.54	2.04	2044.1	1.67	1.48
9.50	5.77	7.23	2.16	2157.7	1.76	1.64
10.0	6.08	7.95	2.27	2271.2	1.85	1.80

Psi Loss Per 100 Feet of Pipe (psi/100ft.) bar Loss per 100 Meters of Pipe (bar/100m)

Note: Use of tubing at flows shown in dark shaded area is not recommended, as velocities exceed 5 ft/sec (1.5 m/s)