

XBS - Black Stripe Tubing

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

Features

- 1/2" & 3/4" blank tubing extruded from polyethylene resin materials for consistent durability
- 1/2" tubing is now available in two different sizes: 0.600" I.D. X 0.700" O.D. and 0.615" I.D. X 0.705" O.D.
- Available in five color stripes to differentiate zones
- UV-resistant for installations at or below grade
- Compact coils for easy storage and shipping

Operating Range

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

Models

XBS 700 - 1/2" Tubing Models - 600-700 NEW

- Outside diameter: 0.700" (17.8 mm)
- Inside diameter: 0.600" (15.2 mm)
- Wall thickness: 0.050" (1.3 mm)
- XBS700G100: 1/2" tubing, 100 foot (30 m) coil with green striping
- XBS700G500: 1/2" tubing, 500 foot (152 m) coil with green striping
- XBS700P100: 1/2" tubing, 100 foot (30 m) coil with purple striping
- XBS700P500: 1/2" tubing, 500 foot (152 m) coil with purple striping

XBS - 1/2" Tubing Models

- Outside diameter: 0.705" (18 mm)
- Inside diameter: 0.615" (15.6 mm)
- Wall thickness: 0.045" (1.2 mm)
- XBS100: 1/2" tubing, 100 foot (30 m) coil with green striping
- XBS500: 1/2" tubing, 500 foot (152 m) coil with green striping
- XBS500B: 1/2" tubing, 500 foot (152 m) coil with black 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

XBS 940 - 3/4" Tubing Models

- Outside diameter: 0.940" (24 mm)
- Inside diameter: 0.820" (21 mm)
- Wall thickness: 0.060" (1.5 mm)
- XBS940G500: 3/4" tubing, 500 foot (152 m) coil with green striping
- XBS940P500: 3/4" tubing, 500 foot (152 m) coil with purple striping



Black Stripe Tubing

XBS 700 - 1/2" Tubing Friction Loss Characteristics NEW

O.D. .700" I.D. .600"			O.D. 17.8mm I.D. 15.2mm METRIC		
Flow (gpm)	Velocity fps	Loss psi	Flow l/m	Velocity m/s	Loss bar
0.50	0.57	0.16	1.89	0.17	0.04
1.00	1.14	0.58	3.79	0.35	0.13
1.50	1.70	1.22	5.68	0.52	0.27
2.00	2.27	2.08	7.57	0.69	0.46
2.50	2.84	3.15	9.46	0.87	0.70
3.00	3.41	4.41	11.36	1.04	0.98
3.50	3.97	5.87	13.25	1.21	1.30
4.00	4.54	7.52	15.14	1.38	1.67
4.50	5.11	9.35	17.03	1.56	2.07
5.00	5.68	11.36	18.93	1.73	2.16
5.50	6.24	13.55	20.82	1.90	3.01
6.00	6.81	15.92	22.71	2.08	3.53

XBS - Tubing Friction Loss Characteristics

O.D. .705" I.D. .615"			O.D. 18 mm I.D. 15.6 mm METRIC		
Flow (gpm)	Velocity fps	Loss psi	Flow l/m	Velocity m/s	Loss bar
0.50	0.54	0.14	1.89	0.16	0.03
1.00	1.08	0.51	3.79	0.33	0.11
1.50	1.62	1.08	5.68	0.49	0.24
2.00	2.16	1.85	7.57	0.66	0.41
2.50	2.70	2.79	9.46	0.82	0.62
3.00	3.24	3.91	11.36	0.99	0.87
3.50	3.78	5.20	13.25	1.15	1.15
4.00	4.32	6.66	15.14	1.32	1.48
4.50	4.86	8.29	17.03	1.48	1.84
5.00	5.40	10.08	18.93	1.65	2.23
5.50	5.94	12.02	20.82	1.81	2.67
6.00	6.48	14.12	22.71	1.98	3.13

XBS 940 - 3/4" Tubing Friction Loss Characteristics

OD .940" I.D. 820"			OD 23.9mm ID 20.8mm METRIC		
Flow (gpm)	Velocity fps	Loss psi	Flow l/m	Velocity m/s	Loss bar
0.50	0.30	0.03	1.89	0.09	0.01
1.00	0.61	0.13	3.79	0.19	0.03
1.50	0.91	0.27	5.68	0.28	0.06
2.00	1.22	0.46	7.57	0.37	0.10
2.50	1.52	0.69	9.46	0.46	0.15
3.00	1.82	0.96	11.36	0.55	0.21
3.50	2.13	1.28	13.25	0.65	0.28
4.00	2.43	1.64	15.14	0.74	0.36
4.50	2.74	2.04	17.03	0.84	0.45
5.00	3.04	2.49	18.93	0.93	0.55
5.50	3.34	2.96	20.82	1.02	0.66
6.00	3.65	3.48	22.71	1.11	0.77
6.50	3.95	4.04	24.61	1.20	0.90
7.00	4.25	4.63	26.50	1.30	1.03
7.50	4.56	5.27	28.39	1.39	1.17
8.00	4.86	5.93	30.28	1.48	1.32
8.50	5.17	6.64	32.18	1.58	1.47
9.00	5.47	7.38	34.07	1.67	1.64
9.50	5.77	8.16	35.96	1.76	1.81
10.00	6.08	8.97	37.85	1.85	1.99

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)