

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



- 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

Note: XBS 940 is also available in 100' coils



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/h	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/h	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/h	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)