

XT-700 Distribution Tubing

Durable, thick-walled distribution tubing stands up to harsh conditions and performs well in all climates

Features

- Thick-walled, flexible tubing resists kinks and damage caused by routine landscape maintenance activities
- Extruded from UV-resistant polyethylene resin materials

Operating Range

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

Specifications

- Outside diameter: 0.700" (18 mm)
- Inside diameter: 0.580" (15 mm)
- Wall thickness: 0.06" (1.5 mm)



XT-700-100

Models

- XT-700-100: 100-foot coil (30 m)
- XT-700-500: 500-foot coil (152 m)

Note: For both water conservation and appearance, it is recommended that a 2" to 3" (5 to 8 cm) mulch cover be placed on top of the tubing

XT-700 Tubing Friction Loss Characteristics

O.D. .700" I.D. .580"			O.D. 18 mm I.D. 15 mm METRIC			
Flow gpm	Velocity fps	Loss psi	Flow m ³ /h	Flow l/h	Velocity m/s	Loss bar
0.50	0.61	0.19	0.11	0.03	0.19	0.01
1.00	1.21	0.69	0.23	0.06	0.37	0.05
1.50	1.82	1.45	0.34	0.09	0.56	0.10
2.00	2.43	2.47	0.45	0.13	0.74	0.17
2.50	3.03	3.74	0.57	0.16	0.92	0.26
3.00	3.64	5.24	0.68	0.19	1.11	0.36
3.50	4.24	6.97	0.79	0.22	1.29	0.48
4.00	4.85	8.93	0.91	0.25	1.48	0.62
4.50	5.46	11.10	1.02	0.28	1.67	0.77
5.00	6.06	13.50	1.14	0.32	1.85	0.93
5.50	6.67	16.10	1.25	0.35	2.03	1.11
6.00	7.28	18.92	1.36	0.38	2.22	1.31

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)

XBS - Black Stripe Tubing

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

- ½" blank tubing extruded from polyethylene resin materials for consistent durability
- Available in 5 color stripes to differentiate zones
- UV-resistant for installations at or below grade

Features

- Compact coils for easy storage and shipping

Specifications

- Outside diameter: 0.705" (18 mm)
- Inside diameter: 0.615" (15.6 mm)
- Wall thickness: 0.045" (1.2 mm)
- Lengths: 100' and 500' coils

Operating Range

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

Models

- XBS100: 100 ft. (30m) coil with green striping
- XBS500: 500 ft. (152m) coil with green striping
- XBS100B: 100 ft. (30m) coil with black striping
- XBS500B: 500 ft. (152m) coil with black striping
- XBS100R: 100 ft. (30m) coil with red striping
- XBS500R: 500 ft. (152m) coil with red striping
- XBS500P: 500 ft. (152m) coil with purple striping
- XBS500Y: 500 ft. (152m) coil with yellow striping

XBS - Tubing Friction Loss Characteristics

O.D. .705" I.D. .615"			O.D. 18 mm I.D. 15.5 mm 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

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)



Black Stripe Tubing