

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