

TECHNICAL DATA SHEET

for use by Architects & Engineers

Flexible Sprinkler Hose

Model No: LPB-BXXX-12/19, LPN-AXXX-12/19, and LPB-WXXX-12



Features

- Available product length and type: 700mm to 1800mm (28" to 70")
Braided and Non-braided - Braided : LPB-BXXX-12/19, LPB-WXXX-12
Non-Braided : LPN-AXXX-12/19
- Available square bar length: 700mm to 1500mm (28" to 59")
- Max. Working pressure: 14kgf/cm² (200psi): LPB-BXXX-12/19
12kgf/cm²(175psi): LPN-AXXX-12/19, LPB-WXXX-12
- Max. Ambient temperature: 107°C (225°C)
- Minimum Installation Bending Radius: 150mm (6")
- Bending Angles (Flow Direction): up to 180 Degree
- Largest K factor for 1/2 inch outlet
8[gpm/(psi)^{1/2}] : LPB-BXXX-12
5.6[gpm/(psi)^{1/2}] : LPN-AXXX-12, LPB-WXXX-12
- Largest K factor for 3/4 inch outlet
16.8[gpm/(psi)^{1/2}] : LPB-BXXX-19
11.2[gpm/(psi)^{1/2}] : LPN-AXXX-19
- Intended use: Wet system and dry system
- Intended use for direct connection to fire Sprinklers

Technical Specifications

Temperature	225°F (107°C)	
Working pressure	175PSI (Unbraided), 200PSI (Braided)	
Maximum Bend Radius	6 inch	
K-Factor	1/2" Outlet	5.6 gpm (LPN-A, LPB-W) 8 gpm (LPB-B)
	3/4" Outlet	11.2 gpm (LPN-A) 16.8 gpm (LPB-B)
Diameter of Hose	25A : LPN-AXXX, LPB-BXXX, LPN-WXXX, LPB-WXXX	26.3mm (I.D.) 26.9mm (O.D.)
Length	700, 1000, 1200, 1500, 1800mm	
Reducer & Nipple Dia. Thread.	Reducer : 1/2", 3/4" - NPT, BSPT / Nipple : 1" NPT, BSPT	

Description

LIFECO Flexible sprinkler hose provides a unique sprinkler drop assembly design which helps save time and cost during installation. The system can be installed in false ceilings without cutting and threading pipes associated with installing a drop, arm-over, and elbows.

LIFECO Flexible Sprinkler Hose is installed quickly without large and expensive tools. Ideal applications include offices, schools, libraries, hospitals, and shopping complexes.
Available product length: 700, 1000, 1200, 1500, 1800mm

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Friction Loss data

UL25 - SLIP NUT TYPE (LPN-AXXX - LP: Sprinkler Joint / N : Unbraided Type / XXX : Product Length)

Model	Rated Pressure, psig	Nom Inlet by Outlet Size, in.	Assembly length, ft (mm)	Max No. of 90° Bends	Min Bend Radius, in.	Equivalent Length of 1 in. Schedule 40 Steel Pipe (c=120), ft
LPN-A700	175	1x1/2	2.3 (700)	1	6	12
LPN-A1000	175	1x1/2	3.3 (1000)	1	6	17
LPN-A1200	175	1x1/2	3.9 (1200)	2	6	43
LPN-A1500	175	1x1/2	4.9 (1500)	2	6	53
LPN-A1800	175	1x1/2	5.9 (1800)	2	6	65
LPN-A700	175	1x3/4	2.3 (700)	1	6	22
LPN-A1000	175	1x3/4	3.3 (1000)	1	6	35
LPN-A1200	175	1x3/4	3.9 (1200)	2	6	39
LPN-A1500	175	1x3/4	4.9 (1500)	2	6	47
LPN-A1800	175	1x3/4	5.9 (1800)	2	6	53

UL25 - SLIP NUT TYPE (LPB-BXXX - LP: Sprinkler Joint / B: Braided Type / XXX: Product Length)

Model	Rated Pressure, psig	Nom Inlet by Outlet Size, in.	Assembly length, ft(mm)	Max No. of 90° Bends	Min Bend Radius, in.	Equivalent Length of 1 in. Schedule 40 Steel Pipe(c=120), ft
LPB-B700	200	1x1/2	2.3(700)	1	6	12
LPB-B1000	200	1x1/2	3.3(1000)	1	6	17
LPB-B1200	200	1x1/2	3.9(1200)	2	6	43
LPB-B1500	200	1x1/2	4.9(1500)	2	6	53
LPB-B1800	200	1x1/2	5.9(1800)	2	6	65
LPB-B700	200	1x3/4	2.3(700)	1	6	22
LPB-B1000	200	1x3/4	3.3(1000)	1	6	35
LPB-B1200	200	1x3/4	3.9(1200)	2	6	39
LPB-B1500	200	1x3/4	4.9(1500)	2	6	47
LPB-B1800	200	1x3/4	5.9(1800)	2	6	53

UL25 - WELD TYPE (LPB-WXXX - LP: Sprinkler Joint / B: Braided Type / W: Weld Type / XXX: Product Length)

Model	Rated Pressure, psig	Nom Inlet by Outlet Size, in.	Assembly length, ft(mm)	Max No. of 90° Bends	Min Bend Radius, in.	Equivalent Length of 1 in. Schedule 40 Steel Pipe(c=120),ft
LPB-W 700	175	1x1/2	2.3(700)	1	6	17
LPB-W 1000	175	1x1/2	3.3(1000)	1	6	25
LPB-W 1200	175	1x1/2	3.9(1200)	2	6	37
LPB-W 1500	175	1x1/2	4.9(1500)	2	6	44
LPB-W 1800	175	1x1/2	5.9(1800)	2	6	53