

FLEXIBLE HOSE DATA SHEET

EASYFLEX Flexible Sprinkler Drops are designed to significantly reduce labor and installation costs. By eliminating the need for pipe cutting and midline connections, you save valuable time and money.

EASYFLEX Flexible Sprinkler Drops can be installed on almost any suspended commercial ceilings. The flexible hose allows for fast installation while our innovative brackets are simple and easy to install. Brackets for T-Bar ceiling grids, wall mount, metal studs, woodbeams, open hat channels, industrial ducts, and cleanrooms. No special tools required, and installation completed in a few easy steps.

Flexible hoses come in braided or unbraided types, from 24" to 72" in length.

EASYFLEX Flexible Sprinkler Drops Appliance Standards

■ **National Fire Protection Association (NFPA):**

- NFPA 13: Standard for the Installation of Sprinkler Systems
- NFPA 13D: Standard for the Installation of Sprinkler Systems in One and Two-Family Dwellings and Manufactured Homes
- NFPA 13R: Standard for Installation of Sprinkler Systems in residential Occupancies up to and including four stories in height

■ **American Society for Testing and Methods (ASTM):**

- ASTM C635: Standards specifications for the manufacture, performance, and testing of metal suspension systems for acoustical tile and lay-in panel ceilings
- ASTM C636: Standards practice for installation of metal ceiling suspension systems for acoustical tile and lay-in panels

■ **Factory Mutual (FM), FM Class No, 1637:** Approved standard for flexible sprinkler hose with threaded end fittings

■ **Underwriter's Laboratories, Inc. (UL/ULC), cULus 2443:** Standards for flexible sprinkler hose with fittings for fire protection services

TECHNICAL DATA

Maximum Working Pressure Rating	175 psig UL/ULC/FM		Minimum Bending Radius	4" (UL/ULC) and 8" (FM) * DO NOT bend within 2.52 inches from connection nuts	
Maximum Ambient Temperature Rating	225°F				
Connection	Inlet	1" NPT	K-Factor	½" Outlet	5.6
	Outlet	½" or ¾" NPT		¾" Outlet	8.0

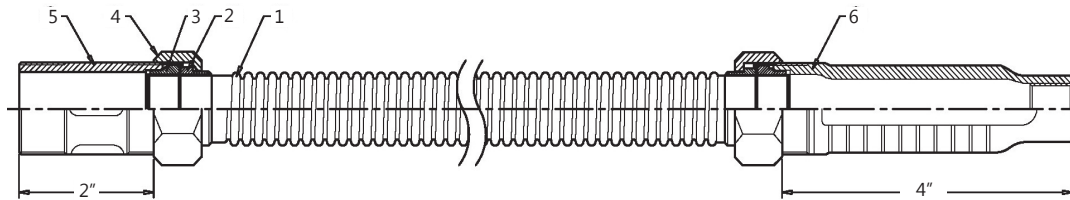
* No hangers and seismic escutcheons required

* Required torque to assemble reducer and nipple with the flexible hose: 50 feet per pound

SUBMITTAL

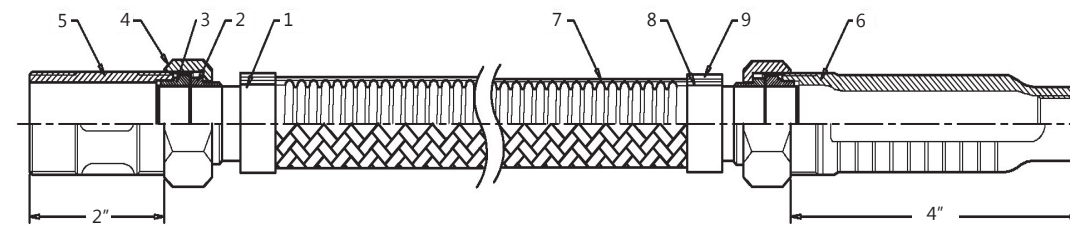
Job Name		Job Location	
Submitted By		Date	
Approved By		Date	

UNBRAIDED FLEXIBLE HOSE



1. TUBE
2. ISOLATION RING
3. SEALING GASKET
4. NUT
5. NIPPLE (1")
6. REDUCER

BRAIDED FLEXIBLE HOSE



1. TUBE
2. ISOLATION RING
3. SEALING GASKET
4. NUT
5. NIPPLE (1")
6. REDUCER
7. BRAID
8. PRESS RING (INNER)
9. PRESS RING (OUTER)

FEATURES & MATERIALS

HOSES		MATERIALS	
Lengths	24", 36", 48", 60" and 72"	HOSE/ BRAID	Stainless Steel 304
Sizes	1/2" or 3/4"	NUT & NIPPLE	Zinc-Plated Steel
Type	Braided(UL/ULC/ FM)	SEALING GASKET/ ISOLATION RING	EPDM/ NYLON
	Unbraided(UL/ULC)		

FRICTION LOSS DATA

Length	Outlet Connections	MAX number of 90° Bends (UL)	Equivalent Length of 1" Schedule 40 Pipe, ft (FM/UL)
24"	1/2"	1	6.8 / 18
	3/4"	1	4.7 / 18
36"	1/2"	2	11.5 / 31
	3/4"	2	10.6 / 34
48"	1/2"	3	16.7 / 48
	3/4"	3	12.7 / 51
60"	1/2"	4	20.6 / 60
	3/4"	4	17.0 / 65
72"	1/2"	4	24.0 / 71
	3/4"	4	19.8 / 72

* Differences of Friction Loss Data are due to the different test methods and conditions between UL and FM approvals.
 FM: 8" minimum bend radius, where C=120/ UL: 4" minimum bend radius, where C=120