Data-Flex Flexible Metal Conduit

Flexible Metal Conduit. Crush/Corrosion Resistant. Smooth Interior for Easy Pulling.

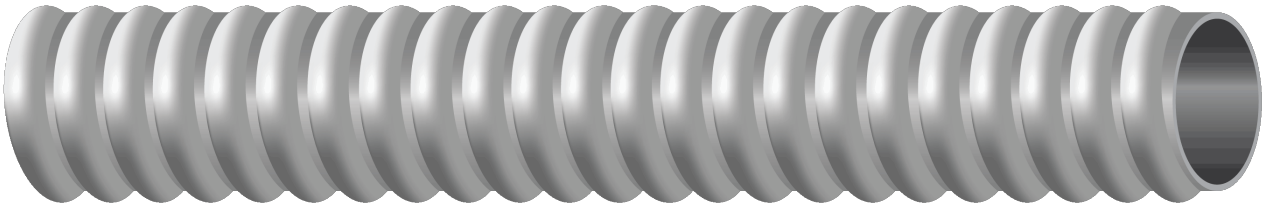


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Armor:** Data-Flex is manufactured with a spiral wound strip of corrosion-resistant, hot-dipped galvanized steel with a heavy zinc coating. The metal strip is helically formed into a continuously interlocked flexible metal conduit that can withstand impact and crushing forces.

APPLICATIONS AND FEATURES:

Data-Flex Flexible Metal Conduit is suitable for the following installations:

- Suitable for concealed, exposed, or approved raceways
- Can be used where listed products are not required.

Features

- Provides mechanical protection for conductors and cable
- Smooth interior for easy wire pulling
- High strength steel construction
- Superior crush proof qualities
- Hot-dipped, heavy zinc coating for rust/corrosion resistance
- Built in flexibility for simplified positioning

SPECIFICATIONS:

- NFPA 70 (National Electrical Code), Article 350 - Liquidtight Flexible Metal Conduit

Copyright © 2026 Southwire Company, LLC. All Rights Reserved

Data-Flex® Flexible Metal Conduit

Trade Size	Inner Diam (Min/Max)	Outer Diam (Min/Max)	Weight	Minimum Bend Radius
Inch	Inch	Inch	Lb/100ft	Inch
5/16	0.312/0.337	0.470/0.510	9	2.5*
3/8	0.375/0.393	0.560/0.610	12	3*
1/2	0.625/0.645	0.860/0.920	19	4
3/4	0.812/0.835	1.045/1.105	24	5
1	1.000/1.040	1.300/1.380	32	8
1-1/4	1.250/1.300	1.550/1.630	46	10
1-1/2	1.500/1.575	1.850/1.950	54	12
2	2.000/2.080	2.350/2.450	75	16
2-1/2	2.5	2.860/3.060	92	20
3	3.0	3.360/3.560	109	24
3-1/2	3.5	3.860/4.060	126	28
4	4.0	4.360/4.560	143	32

* Suggestion only. Non-NEC requirement

Put Ups

Trade Size (Inch)	25 ft	50 ft	100 ft	150 ft	250 ft	300 ft	400 ft	500 ft	600 ft	1000 ft
3/8			55282001		55282002					55282003
1/2			55282101							55282103
3/4			55282201							55282203
1		55282304					55282305			
1-1/4		55282404			55282406					
1-1/2	55282508			55282515						
2	55282608		55282609							
2-1/2	55282708									
3	55282908									
3-1/2	55283008									
4	55283108									

Copyright © 2026 Southwire Company, LLC. All Rights Reserved