

# Galflex®

## Type RWS Reduced Wall Steel Flexible Metal Conduit



Steel Flexible Metal Conduit. High Strength Steel Strip. UL Recognized Component in 5/16". UL Listed in 3/8" through 3". CSA Certified for Trade Sizes 5/16" and 3/8" Available Upon Request.

### APPLICATIONS

Galflex® Type RWS (Reduced Wall Steel) Flexible Metal Conduit is suitable for the following installations:

- Environmental air-handling spaces per NEC 300.22(C)
- Power and lighting branch circuit conductors and cables for connecting receptacles, luminaires, equipment, office partitions, etc.
- Metal raceway for wires and cables per NEC 348
- Motor feeder, branch, and control circuit conductors and cables
- Class 1, Class 2, Class 3 Remote-control, signaling, and power-limited circuit conductors and cables
- Fire alarm system conductors and cables of power-limited or non-power-limited fire alarm circuits
- Voice, data, communications and video cables including CATV and optical fiber cables
- Concealed or exposed installations per NEC 348 and the applicable NEC provisions
- Elevators, hoistways, and escalators per NEC 620.21
- As a grounding conductor for lengths up to 6 feet (20A max) as per NEC 250.118(5)
- Electric signs and outline lighting per NEC 600.7, 600.31 (1000 volts or less), and 600.32 (>1000 volts)
- Listed wired fixtures per NEC 410.77(C)
- Raised floors for connection of information technology per NEC 645.5(D)(2) and 645.5(D)
- Places of assembly and theaters per NEC 518 and 520
- Cranes and hoists per NEC 610.11(C)
- Hazardous location, Class 1, Div. 2, for flexible connectors only per NEC 501.10(B)(2) & 501.30(B)
- UL 1, 2, & 3 Hour Through-Penetration Firestop Systems: C-AJ-1462, C-AJ-1463, C-AJ-1464, W-L-1308, and W-L-1309

### STANDARDS & REFERENCES

- UL Listed per UL 1, Standard for Safety for Flexible Metal Conduit, ANSI/UL-1 for 3/8" through 3"
- CSA Certified per CSA 22.2 No. 56 per Canadian Electrical Code C22.1 Section 12-1000 for 5/16" and 3/8" trade sizes only
- Meets federal specification WW-C-566c
- NFPA 70 (National Electrical Code), Article 348, Type FMC (flexible metal conduit)
- REACH/RoHS-2 (Chemical Limit) Compliant

### CONSTRUCTION

Galflex® Type RWS is manufactured with a galvanized, corrosion resistant, high strength steel alloy. The metal strip is helically formed into a continuously interlocked flexible metal conduit that can withstand impact and crushing forces.



The Power of Connections.™



Southwire®

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TRADE SIZE (INCHES)	STOCK NUMBER			DIAMETER (INCHES)		WEIGHT (LBS/100')	MINIMUM BEND RADIUS (INCHES)
				INNER (MIN/MAX)	OUTER (MIN/MAX)		
5/16	55-28-32-02 (100')	55-28-32-05 (250')	55-28-32-06 (500')	.312/-	.470/.510	13	
3/8	55-08-17-02 (100')	55-08-17-04 (250')	55-08-17-03 (1000')	.375/.393	.56/.61	19	2
1/2	55-08-18-02 (100')	55-08-18-01 (500')	55-08-18-03 (1000')	.625/.645	.86/.92	27	3
3/4	55-08-19-02 (100')	55-08-19-03 (500')	55-08-19-06 (1000')	.812/.835	1.045/1.105	35	4
1	55-09-16-01 (50')	55-09-16-02 (400')		1/1.04	1.3/1.38	57	5
1-1/4	55-09-17-01 (50')	55-09-17-06 (250')	55-09-17-02 (400')	1.25/1.3	1.55/1.63	65	6.25
1-1/2	55-09-18-01 (25')	55-09-18-03 (150')	55-09-18-02 (300')	1.5/1.575	1.85/1.95	78	7.5
2	55-09-19-01 (25')	55-09-19-04 (100')	55-09-19-02 (150')	2/2.08	2.35/2.45	133	10
2-1/2	55-09-20-01 (25')	55-09-20-03 (100')	55-09-20-05 (150')	2.5/-	2.86/3.06	15	12.5
3	55-09-22-01 (25')	55-09-22-03 (100')		3/-	3.36/3.56	190	15
3-1/2	55-09-23-01 (25')	55-09-23-03 (100')		3.5/-	3.86/4.06	220	17
4	55-09-24-01 (25')	55-09-24-02 (100')		4/-	4.36/4.56	270	20

Trade size 5/16" is provided as UL Recognized construction.  
Trade sizes 3-1/2" and 4" are non-UL.  
Minimum bend radius based on NEC Chapter 9 (other bends).

## FEATURES

- Provides mechanical protection for conductors and cable
- For use with listed connectors intended for NEC Type FMC (Flexible Metal Conduit)
- Smooth interior for easy wire pulling
- High strength steel construction
- Hot-dipped, heavy zinc coating for rust/corrosion resistance
- Superior crush proof qualities
- Built in flexibility for simplified positioning

## ONLINE CERTIFICATIONS & TOOLS

- UL Online Certifications Directory ( [www.ul.com](http://www.ul.com) )
- UL Guide Information - Flexible Metal Conduit (DXUZ)
- CSA Online Certifications Directory ( [www.csa.ca](http://www.csa.ca) )
- CSA Product Information - Flexible Metal Conduit (1811-01)