# 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.

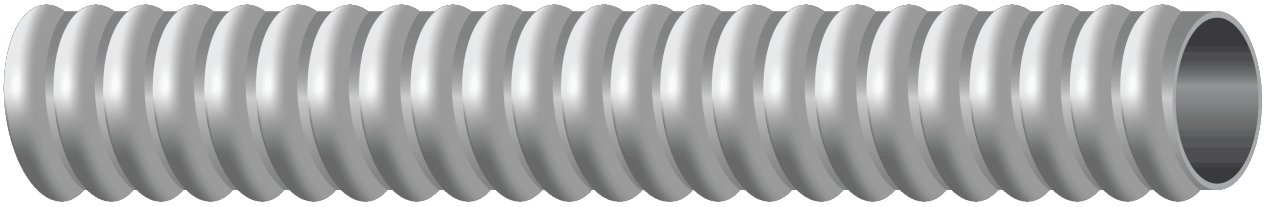


Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

1. **Armor:** 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.

## APPLICATIONS AND FEATURES:

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 (ANSI/NFPA-70) Article 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
- 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)
- As a grounding conductor for lengths up to 6 feet (20A max) as per NEC 250.118(5)
- Cranes & hoists per NEC 610.11(C)
- Electric signs and outline lighting per NEC 600.7, 600.31 (1000 volts or less), and 600.32 (>1000 volts)
- 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

**Southwire Galflex® Type RWS (Reduced Wall Steel) meets or exceeds the following requirements:**

- UL Listed per UL 1, Standard for Safety for Flexible Metal Conduit, ANSI/UL-1
- Meets federal specification WW-C-566c
- NEC Type Designation - Article 348, Type FMC (flexible metal conduit)
- UL Product Category- DXUZ



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- REACH/RoHS-2 (Chemical Limit) Compliant

### 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
- Superior crush proof qualities
- Hot-dipped, heavy zinc coating for rust/corrosion resistance
- Built in flexibility for simplified positioning

## SPECIFICATIONS:

- UL 1 Standard for Safety Flexible Metal Conduit
- CSA 22.2 No. 56 Flexible metal conduit and liquid-tight flexible metal conduit
- NFPA 70 (National Electrical Code), Article 348 - Flexible Metal Conduit

## Galflex® Type RWS

| 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 | 13 | 2.5 |
| 3/8 | 0.375/0.393 | 0.560/0.610 | 19 | 3 |
| 1/2 | 0.625/0.645 | 0.860/0.920 | 27 | 4 |
| 3/4 | 0.812/0.835 | 1.045/1.105 | 35 | 5 |
| 1 | 1.000/1.040 | 1.300/1.380 | 57 | 8 |
| 1-1/4 | 1.250/1.300 | 1.550/1.630 | 65 | 10 |
| 1-1/2 | 1.500/1.575 | 1.850/1.950 | 78 | 12 |
| 2 | 2.000/2.080 | 2.350/2.450 | 133 | 16 |
| 2-1/2 | 2.5 | 2.860/3.060 | 150 | 20 |
| 3 | 3.0 | 3.360/3.560 | 190 | 24 |
| 3-1/2 | 3.5 | 3.860/4.060 | 220 | 28 |
| 4 | 4.0 | 4.360/4.560 | 270 | 32 |

* Suggestion only. Non-NEC requirement



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## 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 5/16 | | | 55283202 | | 55283205 | | | 55283206 | | |
| 3/8 | | | 55081702 | | 55081704 | | | | | 55081703 |
| 1/2 | | | 55081802 | | 55081801 | | | | | 55081803 |
| 3/4 | | | 55081902 | | 55081903 | | | | | 55081906 |
| 1 | | 55091601 | | | | | 55091602 | | | |
| 1-1/4 | | 55091701 | | | 55091706 | | 55091702 | | | |
| 1-1/2 | 55091801 | | | 55091803 | | 55091802 | | | | |
| 2 | 55091901 | | 55091904 | 55091902 | | | | | | |
| 2-1/2 | 55092001 | | 55092003 | 55009205 | | | | | | |
| 3 | 55092201 | | 55092203 | | | | | | | |
| 3-1/2 | 55092301 | | 55092303 | | | | | | | |
| 4 | 55092401 | | 55092402 | | | | | | | |


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