

## Reduced Wall Aluminum Flexible Metal Conduit Type RW FAC

### Description

- Lightweight Reduced Wall Aluminum Flexible Conduit
- Premium aluminum alloy
- Interlocking design
- Proprietary lubricant and process providing a non-oil surface and product with extra flexibility

### Applications

- Flexible Aluminum Conduit (FAC): A raceway of circular cross-section made of helically wound, interlocked aluminum strip.
- Suitable for use in accordance with NEC® Article 348 Flexible Metal Conduit Type FMC
- Suitable for use in exposed and concealed locations
- Suitable for utilization equipment per NEC® 348.20(A)(2)(a)
- Suitable as part of a listed assembly per NEC® 348.20(A)(2)(b)
- Suitable for use as an equipment ground in accordance with NEC® 250.118(5)
- Suitable for use in Other Spaces Used for Environmental Air (Plenums) per NEC® 300.22(C)
- Suitable for use in Cable Trays per NEC® 392.10(A) and Table 392.10(A)
- Suitable raceway for Tap Conductors for Luminaires per NEC® 348.20(A)(2)(c) and 410.117(C)
- Suitable for use as a connection to a motor terminal enclosure per NEC® 430.223
- Suitable for use in Class I Division 2 per NEC® 501.10(B)(2)(1)
- Suitable for use in Neon Secondary-Circuit Wiring 1000V or Less per NEC® 600.31(A)
- Suitable for use in Neon Secondary-Circuit Wiring Over 1000V per NEC® 600.32(A)(1)
- Suitable for use in Manufactured Wiring Systems per 604.6(A)(2)
- Suitable for use in Elevators, Dumbwaiters, Escalators, Moving walks, Platform and Stairway Chairlifts per NEC® 620.21
- Suitable for use Under Raised Floors per NEC® 645.5(E)
- Suitable for use in Solar Photovoltaic (PV) Systems per NEC® 690.31(A)
- Suitable for use in Fuel Cell Systems per NEC® 692.31
- Suitable for Wind Electric Systems per NEC® 694.30(A)
- Suitable for Critical Operations Power Systems (COPS) where flexibility is required per NEC® 708.10(C)(1)(3)
- Suitable for Optical Fiber Cables for installation within buildings per NEC® 770.110(A)(1)
- Suitable for Communications Circuit Wires and Cables for installation within buildings per NEC® 800.110(A)(1)
- Suitable for Community Antenna Television and Radio Coaxial Cables for installation within buildings per NEC® 820.110(A)(1)
- Suitable for Low and Medium Power Network-Powered Broadband Cables for installation within buildings per NEC® 830.110(A)(1)

### Ratings

- NFPA 70 National Electric Code (NEC®) Articles 348, 250, 300, 392, 410, 423, 430, 501, 600, 604, 620, 645, 690, 692, 694, 708, 770, 800, 820 and 830
- UL 1 Standard for Flexible Metal Conduit UL File Number E11831  
Federal Specification WW-C-566C  
superseded by UL 1
- UL 1479 Fire Tests of Through-Penetration Firestops UL File Number R14141  
UL Classified Through-Penetrating Product  
for Use in Through-Penetration  
Firestop Systems
- NEMA RV 3 Application and Installation Guidelines for Flexible and Liquidtight Flexible Metal Conduits
- C22.2 No. 56 CSA Standard for Flexible Metal Conduit and Liquid-Tight Flexible Metal Conduit  
The 3/8 Trade Size is the only Type RW FMC that is CSA Certified
- RR 93227 City of Los Angeles Electrical Testing Laboratory Research Report  
Number 93227  
Permits the use of 1/2 and 3/4 Trade Sizes of Type RW Flexible Aluminum Conduit in long lengths per the Report

| ORDERING INFORMATION |                     |                 |                    |                    |                                   | PRODUCT DIMENSIONS/BEND RADIUS     |                                    |                         |
|----------------------|---------------------|-----------------|--------------------|--------------------|-----------------------------------|------------------------------------|------------------------------------|-------------------------|
| Product Code         | Trade Size (inches) | Trade Size (mm) | Coil Length (feet) | Reel Length (feet) | Approx. Weight/ 100 feet (pounds) | Internal Diameter (min/max) inches | External Diameter (min/max) inches | Bend Radius inches (mm) |
| 5601-22-00*          | 3/8                 | 12              | 25'                | —                  | 6                                 | 0.375/0.393                        | 0.560/0.610                        | 2                       |
| 5601-24-00*          | 3/8                 | 12              | 50'                | —                  | 6                                 | 0.375/0.393                        | 0.560/0.610                        | 2                       |
| 5601-30-00*          | 3/8                 | 12              | 100'               | —                  | 6                                 | 0.375/0.393                        | 0.560/0.610                        | 2                       |
| 5601-42-00*          | 3/8                 | 12              | 250'               | —                  | 6                                 | 0.375/0.393                        | 0.560/0.610                        | 2                       |
| 5601-45-00*          | 3/8                 | 12              | —                  | 500'               | 6                                 | 0.375/0.393                        | 0.560/0.610                        | 2                       |
| 5601-60-00*          | 3/8                 | 12              | —                  | 1000'              | 6                                 | 0.375/0.393                        | 0.560/0.610                        | 2                       |
| 5602-22-00           | 1/2                 | 16              | 25'                | —                  | 10                                | 0.625/0.645                        | 0.860/0.920                        | 3                       |
| 5602-24-00           | 1/2                 | 16              | 50'                | —                  | 10                                | 0.625/0.645                        | 0.860/0.920                        | 3                       |
| 5602-30-00           | 1/2                 | 16              | 100'               | —                  | 10                                | 0.625/0.645                        | 0.860/0.920                        | 3                       |
| 5602-45-00           | 1/2                 | 16              | —                  | 500'               | 10                                | 0.625/0.645                        | 0.860/0.920                        | 3                       |
| 5602-60-00           | 1/2                 | 16              | —                  | 1000'              | 10                                | 0.625/0.645                        | 0.860/0.920                        | 3                       |
| 5603-22-00           | 3/4                 | 21              | 25'                | —                  | 12                                | 0.812/0.835                        | 1.045/1.105                        | 4                       |
| 5603-24-00           | 3/4                 | 21              | 50'                | —                  | 12                                | 0.812/0.835                        | 1.045/1.105                        | 4                       |
| 5603-30-00           | 3/4                 | 21              | 100'               | —                  | 12                                | 0.812/0.835                        | 1.045/1.105                        | 4                       |
| 5603-45-00           | 3/4                 | 21              | —                  | 500'               | 12                                | 0.812/0.835                        | 1.045/1.105                        | 4                       |
| 5603-60-00           | 3/4                 | 21              | —                  | 1000'              | 12                                | 0.812/0.835                        | 1.045/1.105                        | 4                       |
| 5604-24-00           | 1                   | 27              | 50'                | —                  | 18                                | 1.000/1.040                        | 1.300/1.380                        | 5                       |
| 5604-80-00           | 1                   | 27              | —                  | 300'               | 18                                | 1.000/1.040                        | 1.300/1.380                        | 5                       |
| 5605-24-00           | 1-1/4               | 35              | 50'                | —                  | 22                                | 1.250/1.300                        | 1.550/1.630                        | 6.25                    |
| 5605-40-00           | 1-1/4               | 35              | —                  | 200'               | 22                                | 1.250/1.300                        | 1.550/1.630                        | 6.25                    |
| 5606-22-00           | 1-1/2               | 41              | 25'                | —                  | 26                                | 1.500/1.575                        | 1.850/1.950                        | 7.50                    |
| 5606-35-00           | 1-1/2               | 41              | —                  | 150'               | 26                                | 1.500/1.575                        | 1.850/1.950                        | 7.50                    |
| 5606-80-00           | 1-1/2               | 41              | —                  | 300'               | 26                                | 1.500/1.575                        | 1.850/1.950                        | 7.50                    |
| 5607-22-00           | 2                   | 53              | 25'                | —                  | 35                                | 2.000/2.080                        | 2.350/2.450                        | 10                      |
| 5607-30-00           | 2                   | 53              | —                  | 150'               | 35                                | 2.000/2.080                        | 2.350/2.450                        | 10                      |
| 5607-35-00           | 2                   | 53              | —                  | 150'               | 35                                | 2.000/2.080                        | 2.350/2.450                        | 10                      |
| 5608-22-00           | 2-1/2               | 63              | 25'                | —                  | 57                                | 2.500/—                            | 2.860/3.060                        | 12.50                   |
| 5608-35-00           | 2-1/2               | 63              | —                  | 150'               | 57                                | 2.500/—                            | 2.860/3.060                        | 12.50                   |
| 5609-22-00           | 3                   | 78              | 25'                | —                  | 68                                | 3.000/—                            | 3.360/3.560                        | 15                      |
| 5609-30-00           | 3                   | 78              | —                  | 100'               | 68                                | 3.000/—                            | 3.360/3.560                        | 15                      |
| 5610-22-00           | 3-1/2               | 91              | 25'                | —                  | 80                                | 3.500/—                            | 3.860/4.060                        | 17.50                   |
| 5610-30-00           | 3-1/2               | 91              | —                  | 100'               | 80                                | 3.500/—                            | 3.860/4.060                        | 17.50                   |
| 5611-22-00           | 4                   | 103             | 25'                | —                  | 91                                | 4.000/—                            | 4.360/4.560                        | 20                      |
| 5611-30-00           | 4                   | 103             | —                  | 100'               | 90                                | 4.000/—                            | 4.360/4.560                        | 20                      |

NOTE: All dimensions and weights are subject to normal manufacturing tolerances. \*CSA certified. Review NEC® 348.60 and 250.118(5) for grounding requirements. Review NEC® 348.60 and 250.118(5) for grounding requirements.