ALFLEX® TYPE RWA
REDUCED WALL ALUMINUM FLEXIBLE METAL CONDUIT

APPLICATIONS Suitable for use as follows:
- 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 Article 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 2005 NEC 250.118(5)
- Hazardous location, Class 1, Div. 2, for flexible connectors only per 2005 NEC 501.10(B)(2) and 501.30(B)
- Electric signs and outline lighting per NEC 600.7, 600.31(1000 volts or less), and 600.32 (>1000 volts)
- UL Standard 1479 1, 2, & 3 Hour Through-Penetration Fire Stop 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
- Meets federal specification WW-C-566c
- NEC Type Designation - Article 348, Type FMC (Flexible Metal Conduit)

CONSTRUCTION
Alflex® Type RWA is manufactured with a lightweight, high-strength aluminum alloy. Metal strip is helically formed into continuously interlocked flexible metal conduit that can withstand impact and crushing forces.

FEATURES
- Provides mechanical protection for conductors and cable
- For use with listed connectors intended for NEC Type FMC (Flexible Metal Conduit)
- 66% lighter than steel
- Cuts 80% faster than steel
- Smooth interior for easy wire pulling
- High-strength aluminum alloy construction
- Superior corrosion resistance
- Built-in flexibility for simplified positioning
WEIGHTS, MEASUREMENTS AND PACKAGING

<table>
<thead>
<tr>
<th>TRADE SIZE (inches)</th>
<th>APPROX. WEIGHT (lbs/100 ft)</th>
<th>INNER DIAMETER MIN./MAX. (inches)</th>
<th>OUTER DIAMETER MIN./MAX. (inches)</th>
<th>MINIMUM BENDING RADIUS (inches)</th>
<th>STANDARD COIL LENGTH (feet)</th>
<th>STANDARD REEL LENGTH (feet)</th>
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<tbody>
<tr>
<td>5/16&quot;</td>
<td>6</td>
<td>0.312 / 0.312</td>
<td>0.470 / 0.510</td>
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<td>100</td>
<td>1000</td>
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<td>3/8</td>
<td>7</td>
<td>0.375 / 0.393</td>
<td>0.560 / 0.610</td>
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<td>100 / 250</td>
<td>1000</td>
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<td>9</td>
<td>0.625 / 0.645</td>
<td>0.860 / 0.920</td>
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<td>100 / 500</td>
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<td>13</td>
<td>0.812 / 0.835</td>
<td>1.045 / 1.105</td>
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<td>100 / 500</td>
<td>500 / 1000</td>
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<td>20</td>
<td>1.000 / 1.040</td>
<td>1.300 / 1.380</td>
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<td>50</td>
<td>400</td>
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<td>24</td>
<td>1.250 / 1.300</td>
<td>1.550 / 1.630</td>
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<td>50</td>
<td>250</td>
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<tr>
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<td>1.500 / 1.575</td>
<td>1.850 / 1.950</td>
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<td>25</td>
<td>150</td>
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<td>40</td>
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<td>2.350 / 2.450</td>
<td>12</td>
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<td>100</td>
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<tr>
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<td>66</td>
<td>2.500 / -</td>
<td>2.860 / 3.060</td>
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<td>25</td>
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<tr>
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<td>77</td>
<td>3.000 / -</td>
<td>3.360 / 3.560</td>
<td>18</td>
<td>25</td>
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<td>4.360 / 4.560</td>
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<td>25</td>
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* Trade size 5/16" is provided as UL Recognized construction.
** Trade sizes 3-1/2" and 4" are non-UL.

ADDITIONAL APPLICATIONS

- 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 Articles 518 and 520
- Cranes & hoists per 2005 NEC 610.11(C)

ONLINE CERTIFICATIONS & TOOLS

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

FULL ENGINEERING SPECIFICATIONS AVAILABLE AT WWW.SOUTHWIRE.COM/COMMERCIALPRODUCTSPECS