APPLICATIONS

Alflex™ Type SWA (Standard Wall Aluminum) Flexible Metal Conduit is suitable for the following installations:

• 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
• Environmental air-handling spaces per NEC 300.22(C)
• 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)
• 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 2005 NEC 501.104(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
• CSA Listed per CSA 22.2 No. 56 per Canadian Electrical Code C22.1 Section 12-1000
• Meets federal specification WW-C-566C
• NEC Type Designation - Article 348, Type FMC (flexible metal conduit)

CONSTRUCTION

Alflex™ Type SWA 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.

Alflex™ is a trademark of Southwire Company.
### 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

### 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 and hoists per NEC 610.11(C)

### ONLINE CERTIFICATIONS AND 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)