# Type ATLA

*A liquidtight flexible steel conduit designed specifically for extreme hot or cold environments. The flexible inner core is identical to that found in Type LA. The specially formulated PVC jacket remains flexible at low temperatures and resists aging at elevated temperatures. It is listed by Underwriters Laboratories Inc. and certified by Canadian Standards Association for "Heavy-Duty" applications.*

All Products Proudly Made in the USA

## Construction:

### Inner Core:

- Hot Dipped Galvanized Steel
- 1/2" – 1-1/4" Squarelock Profile with continuous bonding strip
- 1-1/2" – 4" Fully Interlocked Profile

### Liquidtight Jacket:

- Flexible PVC
- Resistant to **Oils and Mild Acids**
- Flame Retardant
- Sunlight Resistant (UV)
- Marked HD for "Heavy-Duty"

## Application:

Designed to be used with high temperature machine tool wiring. Ideal for outdoor installations in cold climates. This conduit is intended for installation in accordance with Article 350 of the NEC (ANSI/NFPA-70) and in section 14.5.4 of the ANSI/NFPA-79 Standard for Industrial Machinery:

- Listed and marked for Direct Burial and in Poured Concrete
- Permitted for use in exposed or concealed locations.
- Installations under raised floors in Data Processing Areas Article 645.5(E)
- Listed and marked for direct burial and in poured concrete.
- For containment of 1000 volts and lower-potential circuits.
- Permitted for service entrance wiring to 6 feet. Article 230.43
- Sunlight-resistant
- Suitable as a grounding conductor when used for circuits rated up to 20A for the 3/8 & 1/2 inch grade sizes and 60A for the 3/4 through 1-1/4 inch trade sizes in lengths six feet or less per NEC Article 250.118(6). Larger sizes require separate grounding conductor.

## Product Information

### CERTIFICATIONS & COMPLIANCE

Listed File # E29278. Conforms to Underwriters Laboratories Standard ANSI/UL-360 for Liquidtight Flexible Steel conduit.

Certified File #LL18858. Conforms to CSA 22.2 No.56-17. Conforms to Annex A "Heavy-Duty" in sizes 1/2" or larger. FT1

WEEE and RoHS Compliant

EN IEC 61386 Classification Code 445340650414 LVD 2006/G5/EC
**CE Declaration**

**ARRA:** For ARRA Certification Letter, please click here

BABA Compliant

### STANDARD COLORS

Machine Tool Gray.

### WORKING TEMPERATURES

- Installations in hazardous (classified) locations:
  - Class I Div. 2: Article 501.10 (B)(2) & 501.30(B)
  - Class II Div. 1: Article 502.10(A)(2) & 502.30(B) Div. 2: 502.10(B)(2)
  - Class III Div. 1: Article 503.10(A)(3) & 503.30(B) Div. 2: 503.10(B)
- Use as Feeders and Services at Marinas and Boatyards. Article 553.7(B).
- Wiring on Building. Article 225.10.
- Conductor Enclosers Adjacent to Motors over 1000V. Article 430.223.
- Underground Service, Feeder, Branch Circuit, and Recreational Vehicle Site Feeder Circuit Conductors. Article 551.80.
- Elevators and Hoistways. Article 620.21.
- Pools and Fountains. Article 680.
- Bodies of water. Article 682.
- Fire pumps. Article 695
- Meets the same specifications as Type LA.

**This conduit is intended for use according to the Canadian Electrical Code (CEC CSA 22.1-18) as described in clause 12-1300 for dry, damp or wet locations.**

- Conforms to CSA C22.2 No. 56-17 Annex A “Heavy Duty”

Hazardous Locations areas where flexibility is necessary:

- Class I Div 2: CSA 22.1 J18-152 (1) (i)
- Class II Div 1: CSA 22.1 J18-204 (4) (b)
- Class II Div 2: CSA 22.1 J18-254 (1) (h)
- Class III Div 1: CSA 22.1 J18-304 (1) (f)
- Class III Div 2: CSA 22.1 J18-354 (h)
- Zone 2: CSA 22.1 18-152 (1) (h)
- Zone 20: CSA 22.1 18-192 (3) (a)
- Zone 21: CSA 22.1 18-202 (4) (a)
- Zone 22: CSA 22.1 18-252 (1) (h)

U.L.:-55°C to 105°C Air / 60°C Wet / 70°C Oil

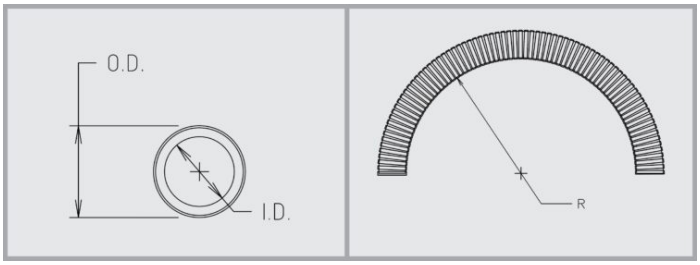
CSA: -50°C to 105°C Dry/75°C Oil

UL: -67°F to 221°F Air/140°F Wet / 158°F Oil

CSA: -58°F to 221°F Dry / 167°F Oil

# Markets:

Cell Towers, Construction, Data Centers, DataComm, Defense, Healthcare, Mining, Oil & Gas Refineries, Power Plants, Renewable Energy, Security,  Ship Building, Steel Mills, Telecommunications, Utilities



# Product Table

| | US Trade Size | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 3 1/2" | 4" |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ISO (MM) | 20 | 25 | 32 | 40 | 50 | 63 | 70 | 80 | 90 | 100 |
| | CSA (MM) | 16 | 21 | 27 | 35 | 41 | 53 | 63 | 78 | 91 | 103 |
| | Type | ATLA-11 | ATLA-12 | ATLA-13 | ATLA-14 | ATLA-15 | ATLA-16 | ATLA-17 | ATLA-18 | ATLA-350 | ATLA-19 |
| Internal Diameter | Min (MM) | 15.8 | 20.8 | 26.4 | 35.1 | 40.0 | 51.3 | 63.0 | 78.0 | 88.9 | 101.6 |
| | Max (MM) | 16.3 | 21.3 | 27.1 | 35.8 | 40.6 | 51.9 | 63.6 | 78.7 | 89.9 | 102.6 |
| Outer Diameter | Min (MM) | 20.8 | 26.2 | 32.8 | 41.4 | 47.4 | 59.4 | 72.1 | 87.9 | 100.6 | 113.3 |
| | Max (MM) | 21.3 | 26.7 | 33.4 | 42.2 | 48.3 | 60.3 | 73.0 | 88.9 | 101.6 | 114.3 |
| Inside Bend Radius | Static (MM) | 83 | 108 | 165 | 203 | 229 | 283 | 375 | 445 | 508 | 610 |
| | Dynamic (MM) | 127 | 152 | 305 | 381 | 432 | 559 | 762 | 915 | 1092 | 1321 |
| Weight | (Kgs) per 30 meters | 14.5 | 24.0 | 37.2 | 46.3 | 56.2 | 65.8 | 87.1 | 114.3 | 139.7 | 158.8 |
| Standard Length | Carton (Mtrs) | 30.0 | 30.0 | 30.0 | 15.0 | 15.0 | 15.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| | Part # Gray | 80211 | 80221 | 80232 | 80242 | 80252 | 80262 | 80272 | 80282 | 80288 | 80292 |
| | Reel (Mtrs) | 150.0 | 150.0 | 120.0 | 60.0 | 45.0 | 30.0 | | | | |
| | Part # Gray | 80213 | 80224 | 80234 | 80244 | 80254 | 80264 | | | | |
| | Reel (Mtrs) | 300.0 | 300.0 | | | | | | | | |
| | Part # Gray | 80214 | 80225 | | | | | | | | |

## related products


### Type ATX

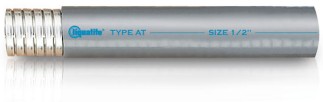
A non-UL Liquidtight Flexible Steel conduit designed to withstand an extreme temperature range.

**see product detail »**


### Type LA

A flexible steel conduit which is both listed by Underwriters Laboratories Inc. and certified by Canadian Standards Association for "Heavy-Duty" applications. It offers outstanding protection against wet, oily conditions and is permitted for use in exposed or concealed locations.

**see product detail »**




### Type AT

A flexible steel non-UL conduit that uses a jacketing material specifically designed for hot or cold environments.

**see product detail »**

### Type ZHLA

Non-halogen, low smoke and low flame spread make Type ZHLA a proven choice for applications where limiting toxic materials of combustion are an important issue. Since ZHLA is also UL listed, it is ideal for field installation in confined, public areas such as subways, tunnels, etc.