



# 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

## 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](#)

### STANDARD COLORS

Machine Tool Gray.

### WORKING TEMPERATURES

feet or less per NEC Article 250.118(6). Larger sizes require separate grounding conductor.

- 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 Enclosures 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.

U.L.: -55°C to 105°C Air / 60°C Wet / 70°C Oil  
 CSA: -50°C to 105°C Dry/75°C Oil

**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.**

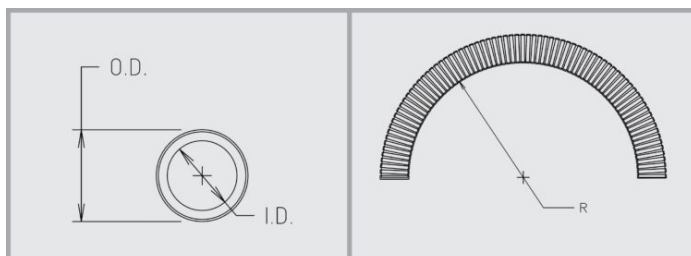
- Conforms to CSA C22.2 No. 56-17 Annex A "Heavy Duty"

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)

## Markets:

Construction, Data Centers, Defense, Healthcare, Mining, Oil & Gas Refineries, Power Plants, Rail/Transit, 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 (IN.)	0.622	0.820	1.041	1.380	1.575	2.020	2.480	3.070	3.500	4.000
	Max (IN.)	0.642	0.840	1.066	1.410	1.600	2.045	2.505	3.100	3.540	4.040
Outer Diameter	Min (IN.)	0.820	1.030	1.290	1.630	1.865	2.340	2.840	3.460	3.960	4.460
	Max (IN.)	0.840	1.050	1.315	1.660	1.900	2.375	2.875	3.500	4.000	4.500
Inside Bend Radius	Static (IN.)	3.0	4.2	5.5	7.0	4.5	6.0	8.0	10.0	11.0	12.0
	Dynamic (IN.)	5.0	6.0	12.0	15.0	17.0	22.0	30.0	36.0	43.0	52.0
Weight	Lbs. per 100 Ft	32	53	82	102	124	145	192	252	308	350
Standard Length	Carton (Ft.)	100	100	100	50	50	50	25	25	25	25
	Part # Gray	80211	80221	80232	80242	80252	80262	80272	80282	80288	80292
	Reel (Ft.)	500	500	400	200	150	100				
	Part # Gray	80213	80224	80234	80244	80254	80264				
	Reel (Ft.)	1000	1000								
	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 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 and CSA Certified for "Heavy-Duty" applications, it is ideal for field installation in confined, public areas such as subways, tunnels, etc.

see product detail »



Type LA



Type AT