

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:

- High/Low Temp Flexible PVC
- Resistant to **Oils and Mild Acids**
- Flame Retardant / Self-Extinguishing
- Sunlight Resistant (UV)
- Marked HD for "Heavy-Duty"
- Dynamic Flexibility, Limited

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. Also available in black.

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 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

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

CSA: -58°F to 221°F Dry / 167°F 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.

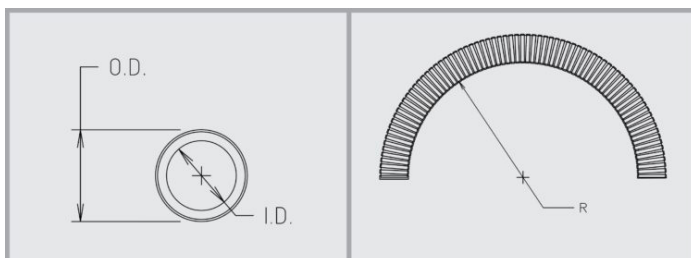
- Conforms to CSA C22.2 No. 56-17 Annex A "Heavy Duty"

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:

Cell Towers, Data Centers, DataComm, Defense, Mining, Oil & Gas Refineries, Power Plants, Renewable Energy, Security, 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.