

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.

CONSTRUCTION:

ATLA has a flexible inner core made from a spiral wound strip of heavy gauge, hot-dipped galvanized steel. The 3/8 through 1-1/4 inch trade sizes contain an integral bonding strip of copper. The 1-1/2 inch and larger are designed with a fully interlocked strip.

The jacketing material is a rugged flame retardant flexible PVC resistant to weathering, UV, oils and many chemicals. See the Chemical Resistance Guide on our website for further details.

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:

- Permitted for use in exposed or concealed locations.
- Installations under raised floors in data processing areas. Article 645.5(E)(2).
- Listed and marked for direct burial and in poured concrete.
- For containment of 600 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 and 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).
- Installations in hazardous (classified) locations:
 - Class I Div. 2 Article 501
 - Class II Div. 1&2 Article 502
 - Class III Div. 1&2 Article 503
- 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 600V. 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 on page 7.

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

RoHS and WEEE Compliant.

Certified File #LL18858. Conforms to CSA 22.2 No. 56 for use per the Canadian Electrical Code C22.1 Section 12-1300.

STANDARD COLORS:

Machine Tool Gray

WORKING TEMPERATURES:

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

METAL USED: Steel

PLASTIC USED: PVC

See the Chemical Resistance Guide on our website.



Trade Size (In.)	Type	Inside Bend Radius (In.)	Wt. (Lbs.)/ 100 Ft.	Carton Footage		Reel Footage			
				Length	Part #	Length	Part #	Length	Part #
3/8	ATLA-10	2.0	29	100	80201	500	80203	1000	80204
1/2	ATLA-11	3.0	32	100	80211	500	80213	1000	80214
3/4	ATLA-12	4.2	53	100	80221	500	80224	1000	80225
1	ATLA-13	5.5	82	100	80232	400	80234	-	-
1-1/4	ATLA-14	7.0	102	50	80242	200	80244	-	-
1-1/2	ATLA-15	4.5	124	50	80252	150	80254	-	-
2	ATLA-16	6.0	145	50	80262	100	80264	-	-
2-1/2	ATLA-17	8.0	192	25	80272	-	-	-	-
3	ATLA-18	10.0	252	25	80282	-	-	-	-
3-1/2	ATLA-350	11.0	308	25	80288	-	-	-	-
4	ATLA-19	12.0	350	25	80292	-	-	-	-

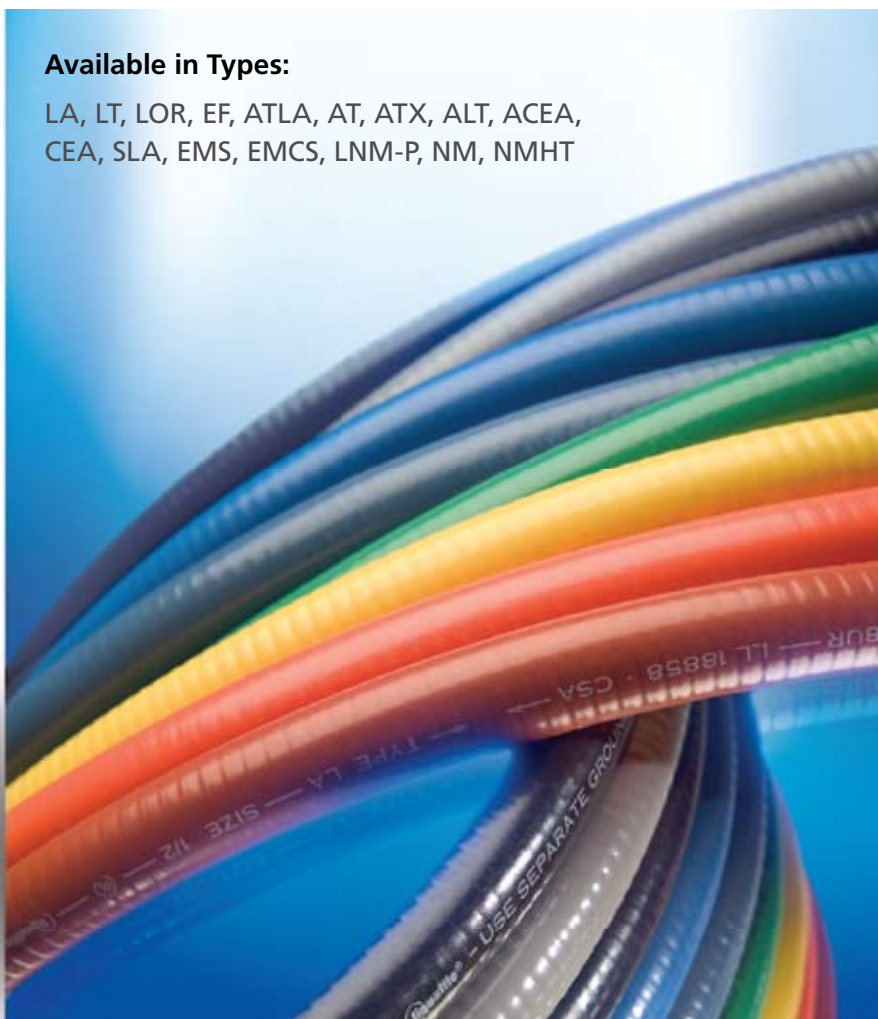
See page 37 for Dimensions.

Colored Conduit

for Custom Installations



The use of colored Type LA conduit saves time and money in maintenance and repair situations, and provides a visible warning to use caution in and around specific areas. They can provide for quick identification of circuits, such as emergency, fire, security and high voltage, as well as many other applications.



Available in Types:

LA, LT, LOR, EF, ATLA, AT, ATX, ALT, ACEA, CEA, SLA, EMS, EMCS, LNM-P, NM, NMHT

SUGGESTED APPLICATIONS:

Conduit Color	Suggested Application
Cream	Office Modular Partitions
Brown	Office Modular Partitions
Blue	Computer Rooms/Data Cables, Low Voltage Wiring
Green	Hospitals and Healthcare
Yellow	Caution Areas, Special Equipment, High Voltage Wiring, Earth Moving Equipment
Orange	Construction, Auto Repair, Fiber Optic Systems
Red	Fire Alarms, Security Systems, Emergency Circuits
White	Dairy Equipment, Food Processing Equipment

* Standard colors are Black and Gray. Other colors available upon request. We can blend to any color preference. Jacketed materials for extreme temperature and halogen-free applications are also available in colors.