

Type LA-SS

Part of the **Stainless Steel Flexible Conduit Family**.

A UL-listed, flexible stainless-steel conduit offering excellent protection against corrosion, sunlight (UV), and wet, oily conditions. Ideally suited for industrial-grade installations requiring motion, vibration, and bending.



All Products Proudly Made in the USA

Construction:

Inner Core:

- Corrosion-resistant continuous strip of 316L Stainless Steel
- 1/2" – 2" Fully Interlocked Profile

Liquidtight Jacket:

- Flexible PVC
- Resistant to **Oils and Mild Acids**
- Flame Retardant
- Excellent Sunlight Resistance (UV)
 - Type LA gray jacketing outperforms the UL360 UV aging test by 4 times
 - Type LA black jacketing outperforms the UL360 UV aging test by 5 times

APPLICATION:

- Formerly Type LTSS
- Machine Tools
- Corrosive Environments
- Industrial Environments
- Wet and Oily Locations
- Outdoor use due to the inherent UV resistance of PVC
- Compatible with standard liquidtight connectors

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
- For containment of 1000 volt and lower potential circuits

Product Information

CERTIFICATIONS & COMPLIANCE



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



WEEE and RoHS Compliant



BS EN IEC 61386 Classification Code 443140650314 **CE**

Declaration

ARRA: For ARRA Certification

Letter, please [click here](#)



BABA Compliant

STANDARD COLORS

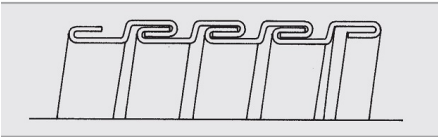
Machine Tool Gray. **Other colors available upon request.**

WORKING TEMPERATURES:

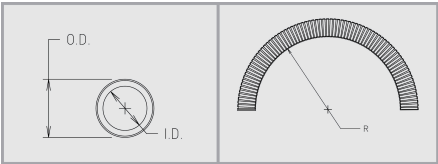
-30°C to 80°C Dry / 60°C Wet / 70°C Oil

-22°F to 176°F Dry / 140°F Wet / 158°F Oil

- Use Separate Grounding Conductor — If liquidtight flexible metal conduit contains a stainless-steel core, a wire-type equipment grounding conductor or a bonding jumper in accordance with 250.102(E) (2) shall be installed. Article 250.118 (A)(6)(f).
- 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)
- Installed under raised floors in Data Processing Areas Articles 645.5 (E)
- Electric Signs and Outline Lighting over 1000 volts Articles 600.7/600.32(A)(1)
- Permitted for Service Entrance wiring to six feet Article 230.43
- Used as Feeders and Services at Marinas and Boatyards Article 553.7(B)
- Wiring on Building Article 225.10
- Conductor Enclosures Adjacent to Motors over 1000 V 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



Interlock sizes: 1/2" - 2"



Markets:

Defense, Healthcare, Mining, Oil & Gas, Power Plants, Ship Building, Steel Mills, Utilities,
Wastewater Treatment

Product Table

	US Trade Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
	ISO (MM)	20	25	32	40	50	63
	CSA (MM)	16	21	27	35	41	53
	Type	LA-SS-11	LA-SS-12	LA-SS-13	LA-SS-14	LA-SS-15	LA-SS-16
Internal Diameter	Min (IN.)	0.622	0.820	1.041	1.380	1.575	2.020
	Max (IN.)	0.642	0.840	1.066	1.410	1.600	2.045
Outer Diameter	Min (IN.)	0.820	1.030	1.290	1.630	1.865	2.340
	Max (IN.)	0.840	1.050	1.315	1.660	1.900	2.375
Inside Bend Radius	Static (IN.)	3.0	4.2	5.5	7.0	4.5	6.0
Weight	Lbs. per 100 Ft	28	38	62	79	103	119
Standard Length	Coil (Ft.)	100	100	100	50	50	50
	Part #	211091	221092	231092	241092	251092	261092
	Reel (Ft.)	500	500	400	200	150	100
	Part #						
	Reel (Ft.)	1000	1000				
	Part #						

related products



Type LA



Type ATLA-SS

A UL-listed liquidtight stainless steel flexible conduit that is designed specifically for hot or cold environments and provides excellent

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 sunlight (UV), wet, oily conditions and is permitted for use in exposed or concealed locations.

[see product detail »](#)



Type ZHLA-SS

This UL-listed, liquidtight stainless steel flexible conduit offers excellent corrosion-resistance and is designed for applications where safety concerns exist regarding a material's reaction in a fire situation. Type ZHLA-SS is low smoke, zero-halogen, providing a low fire hazard solution for environments requiring limited toxic material release, such as subways, tunnels, and public spaces.

[see product detail »](#)

corrosion-resistance. The specially formulated PVC jacket remains flexible at low temperatures and resists aging at elevated temperatures.

[see product detail »](#)



Type LAFG-SS

A UL-listed liquidtight stainless steel flexible conduit that is antimicrobial and is designed for a variety of installations requiring motion, vibration, and bending on food processing equipment. It offers excellent resistance to corrosion.

[see product detail »](#)