

# 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.



All Products Proudly Made in the USA

## Construction:

### Inner Core:

- Hot Dipped Galvanized Steel
- 3/8" – 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:

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
- Suitable as a grounding conductor when used for circuits rated up to 20A for the 3/8 & 1/2 inch trade 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.
- 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)

## 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 Standard C22.2 No 56-17. Conforms to Annex A "Heavy-Duty" in sizes 1/2" or larger. FT1



**WEEE and RoHS Compliant**



BS EN IEC 61386 Classification Code 444240650414 **CE**

#### Declaration

**ARRA:** For ARRA Certification Letter, please [click here](#)

### STANDARD COLORS

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

- 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

**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)

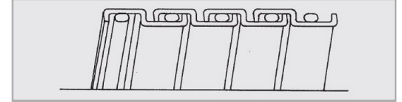
- Zone 2: CSA 22.1 18-152 (1) (h)
- Zone 20: CSA 22.1 18-192 (3) (a)
- Zone 21: CSA 22.1 18-202 (4) (a)
- Zone 22: CSA 22.1 18-252 (1) (h)

## Markets:

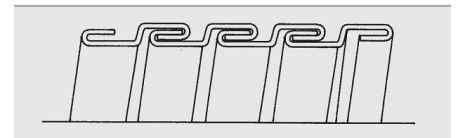
Aerospace, Cell Towers, Construction, Data Centers, Defense, Fixture / AC Whips, Food Processing, Healthcare, Machine Tool (OEM), Mining, Oil & Gas Refineries, Pharmaceuticals, Power Plants, Rail/Transit, Renewable Energy, Security, Ship Building, Steel Mills, Telecommunications, Utilities, Wastewater Treatment

## WORKING TEMPERATURES

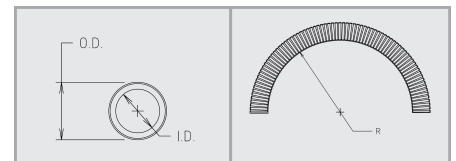
-30°C to 80°C Dry / 60°C Wet / 70°C Oil



**Squarelock with Filler: sizes  
3/8" - 1-1/4"**



**Interlock sizes: 1-1/2" - 4"**



# Product Table

	US Trade Size	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"
	ISO (MM)	16	20	25	32	40	50	63	70	80	90	100
	CSA (MM)	12	16	21	27	35	41	53	63	78	91	103
	Type	LA-10	LA-11	LA-12	LA-13	LA-14	LA-15	LA-16	LA-17	LA-18	LA-350	LA-19
Internal Diameter	Min (MM)	12.3	15.8	20.8	26.4	35.1	40.0	51.3	63.0	78.0	88.9	101.6
	Max (MM)	12.8	16.3	21.3	27.1	35.8	40.6	51.9	63.6	78.7	89.9	102.6
Outside Diameter	Min (MM)	17.5	20.8	26.2	32.8	41.4	47.4	59.4	72.1	87.9	100.6	113.3
	Max (MM)	18.0	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)	51	83	108	165	203	229	283	375	445	508	610
	Dynamic (MM)	102	127	152	305	381	432	559	762	915	1092	1321
Weight	(Kgs) per 30 meters	13.2	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	30.0	15.0	15.0	15.0	8.0	8.0	8.0	8.0
	Part # (Gray)	20101	21101	22101	23102	24102	25102	26102	27102	28102	28502	29102
	Part # (Black)	20801	21801	22801	23802	24802	25802	26802	27802	28802		29502
	Reel (Mtrs)	150.0	150.0	150.0	120.0	60.0	45.0	30.0	85.0	55.0	55.0	30.0
	Part # (Gray)	20103	21103	22104	23104	24104	25104	26104	27105	28105	28505	29105
	Part # (Black)	20803	21803	22804	23804	24804	25804	26804	27805	28805		29505
	Reel (Mtrs)	300.0	300.0	300.0								
	Part # (Gray)	20104	21104	22110								
Part # (Black)	20804	21804	22810									

## related products



## Type CBLA

Computer Blue LA (CBLA) is a liquidtight flexible steel conduit commonly used for computer room installations. The blue jacket color easily identifies circuitry for computer power wiring. It is listed by Underwriters Laboratories Inc. and certified by Canadian Standards Association for "Heavy-Duty" applications.

[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 »](#)

