

Liquidtight Flexible Steel Conduit U.L. and CSA

TYPE LA



TRADE SIZE	1WI	INSIDE BEND RADIUS	WT. (IBS.) / 100 FT.	- CARTON FOOTAGE* / PART # -			- REEL FOOTAGE* / PART # -					
				LENGTH	GRAY	BLACK	LENGTH	GRAY	BLACK	LENGTH	GRAY	BLACK
3/8"	LA-10	2.0"	29	100	20101	20801	500	20103	20803	1000	20104	20804
t/r	LA-11	3.0"	32	100	21101	21801	500	21103	21803	1000	21104	21804
3/4"	LA-12	4.2"	53	100	22101	22801	500	22104	22804	1000	22110	22810
1"	LA-13	5.5"	82	100	23102	23802	400	23104	23804	-	-	-
1-1/4"	LA-14	7.0"	102	50	24102	24802	200	24104	24804	-	-	-
1-1/2"	LA-15	4.5"	104	50	25102	25802	150	25104	25804	-	-	-
2"	LA-16	6.0"	145	50	26102	26802	100	26104	26804	-	-	-
2-1/2"	LA-17	8.0"	192	25	27102	27802	275	27105	27805	-	-	-
3"	LA-18	10.0"	252	25	28102	28802	175	28105	28805	-	-	-
3-1/2"	LA-350	11.0"	308	25	28502	-	175	28505	-	-	-	-
4"	LA-19	12.0"	340	25	29102	29502	1.00	29105	29505	-	-	-

See Chart on Page 38 For Dimensions and Tolerances.

* See Page 38 for label and packaging detail.

TYPE - LA

A flexible liquidtight steel conduit which is both listed by Underwriters Laboratories Inc. and Certified by Canadian Standards Association. It offers outstanding protection against wet, oily conditions and is permitted for use in exposed or concealed locations.

CONSTRUCTION:

The flexible inner core is made from a spiral wound strip of heavy gauge, corrosion resistant, hot-dipped galvanized steel. The 3/8 through 1-1/4 inch trade size are square lock formed and include an integral bonding strip of copper that is enclosed within the convolutions throughout it's entire length. The 1-1/2 through 4 inch trade sizes are designed with a fully interlocked strip.

The liquidtight jacketing material is of a high quality, rugged, flame retarded flexible PVC compound which resists oils, mild acids and exposure to sunlight. Refer to Chemical Resistance chart, beginning on page 33, for further information.

WORKING TEMPERATURES:

-20 C to 60 C Intermitting to 90 C

- (g) 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 for use per the Canadian Electrical Code C22.1 Section 12-1300.

APPLICATIONS:

This conduit is intended for installation in accordance with Article 351, part A of the NEC® (ANSI/NFPA-70) and in sections 16 & 17.7 of the ANSI/NFPA-79 Standard for Industrial Machinery:

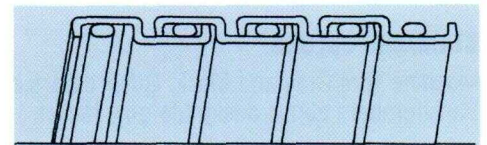
- Listed and marked for Direct Burial and in Poured Concrete.
- For containment of 600 volt and lower potential circuits
- Sunlight Resistant
- Suitable as a grounding conductor when used for circuits rated up to 20A for the 3/8 & 1/2 inch trade sizes and 60A for 3/4 through 1-1/4 inch trade sizes in lengths six feet or less per NEC® Article 351-9
- Installations in hazardous (classified) Locations:
 - Class I Div. 2 Article 501-4 (b)
 - Class II Div. 1 and 2 Article 502-4 (a)(2) and (b)(2)
 - Class III Div. 1 and 2 Article 503-3 (a) and (b)
- Use in Air Plenums Article 300-22

- Installed under raised floors in Data Processing Areas Articles 645-5 (d)(2)
- Electric Signs and Outline Lighting over 1000 volts. Article 600-31 (a)
- Permitted for Service Entrance wiring to 6 feet. Article 230-43.
- Use as to 6 feet. Article 230-43.
- Use as Feeders and Services at Marinas and Boatyards. Article 553-7 (b).

STANDARD COLORS:

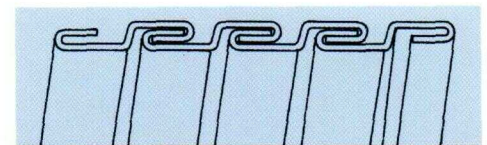
Machine tool Gray, and Black. Other colors available upon request. Blue is commonly used for computer room installations. See TYPE CBLA on page 9.

SIZES: 3/8" — 1-1/4"



Squarelock with Filler

SIZES: 1-1/2" — 4"



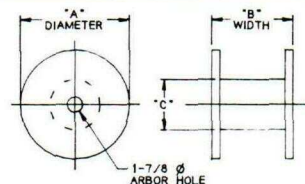
Interlock

Standard Dimensions and Packaging

TYPES:

LT - LOR - EF - LA - CSA - ALT - AT
ATLA - ATX - CEA - ZHLA - LAS
EMS-EMSP -NM-NM2

REEL SIZES



TRADE SIZE	TYPE	INNER DIA.		OUTER DIA.	
		MIN.	MAX.	MIN.	MAX.
1/4"	-	0.245	0.265	0.450	0.470
5/16"	-	0.385	0.405	0.570	0.590
3/8"	10	0.484	0.504	0.690	0.710
1/2"	11	0.622	0.642	0.820	0.840
3/4"	12	0.820	0.840	1.030	1.050
1"	13	1.041	1.066	1.290	1.315
1-1/4"	14	1.380	1.410	1.630	1.660
1-1/2"	15	1.575	1.600	1.865	1.900
2"	16	2.020	2.045	2.340	2.375
2-1/2"	17	2.480	2.505	2.840	2.875
3"	18	3.070	3.100	3.460	3.500
3-1/2"	350	3.500	3.540	3.960	4.000
4"	19	4.000	4.040	4.460	4.500
5"	500	4.975	5.035	5.505	5.565
6"	600	6.015	6.075	6.565	6.625

TRADE SIZE	58"	42"	31"			31" SPECIAL			24"
	LT-LA-EF	LT-LA-EF	LT	LA	EF	LT	LA	EF	LT-LA-EF
3/8"	6,000	-	1,000	1,000	1,000	-	-	-	500
1/2"	4,500	-	1,000	1,000	1,000	-	-	-	500
3/4"	2,500	1,000	500	500	500	-	-	-	-
1"	1,500	-	400	400	400	-	-	-	-
1-1/4"	1,000	-	200	-	200	-	200	-	-
1-1/2"	750	-	-	-	-	150	150	150	-
2"	500	-	-	-	-	100	100	100	-
2-1/2"	275	-	-	-	-	-	-	-	-
3"	175	-	-	-	-	-	-	-	-
3-1/2"	175	-	-	-	-	-	-	-	-
4"	100	-	-	-	-	-	-	-	-
5"	-	-	-	-	-	-	-	-	-
6"	-	-	-	-	-	-	-	-	-

APPROX. REEL DIMENSIONS

"A"	"B"	"C"
24"	19-1/2"	12"
31"	19-1/2"	12"
31"SPECIAL	19-1/2"	15"
42"	20"	24"
58"	29-1/2"	28"

This reference chart is applicable to the standard conduit types listed above. Please refer to individual sections of this catalog for size ranges and dimensions for products not listed here.

CARTONS

All standard lengths packaged in specially-designed, functional cartons to eliminate knots and tangles. These compact cartons save storage and warehouse space, making handling easier. Each carton label is clearly marked and color coded with conduit size, type, color, footage and carry the NEMA and NAED bar code standards.



Special Cut Lengths Available

Electri-Flex Company maintains a department dedicated to "cut-to-length" orders. Consult factory or our authorized distributor for details.

TRADE SIZE	CATALOG NO.	STANDARD CARTON ALL TYPES	STANDARD CARTON TYPE LNM-P
3/8"	10	100	250
1/2"	11	100	200
3/4"	12	100	175
1"	13	100	100
1-1/4"	14	50	100
1-1/2"	15	50	50
2"	16	50	50
2-1/2"	17	25	-
3"	18	25	-
3-1/2"	350	25	-
4"	19	25	-
5"	500	25	-
6"	600	25	-