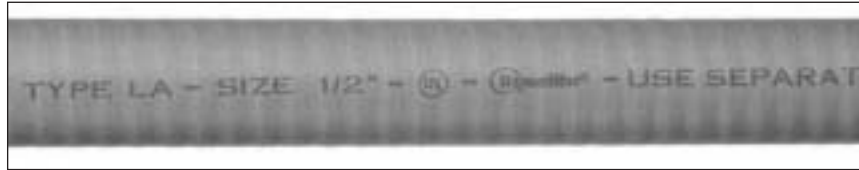


# T&B Conduit Fittings

## Liquatite® Flexible Conduit— Steel



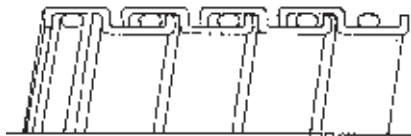
### Type LA



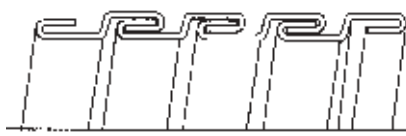
Trade Size (in.)	Cat. No.	Carton Content* (m)	Cat. No.	Reel Content* (m)	Cat. No.	Reel Content* (m)	Inside Bend Radius		Weight kg/30m
							in.	(mm)	
3/8	LA038-30	30	LA038-150	150	LA038-300	300	2.0	(50.8)	13
1/2	LA050-30	30	LA050-150	150	LA050-300	300	3.0	(76.2)	15
3/4	LA075-30	30	LA075-150	150	LA075-300	300	4.2	(106.7)	24
1	LA100-30	30	LA100-120	120	-	-	5.5	(139.7)	37
1-1/4	LA125-15	15	LA125-60	60	-	-	7.0	(177.8)	46
1-1/2	LA150-15	15	LA150-45	45	-	-	4.5	(114.3)	47
2	LA200-15	15	LA200-30	30	-	-	6.0	(152.4)	66
2-1/2	LA250-8	8	LA250-80	80	-	-	8.0	(203.2)	87
3	LA300-8	8	LA300-50	50	-	-	10.0	(254.0)	114
3-1/2	LA350-8	8	LA350-50	50	-	-	11.0	(279.4)	140
4	LA400-8	8	LA400-30	30	-	-	12.0	(304.8)	154

See Chart on p.153 for dimensions and tolerances.

\* See p.153 for label and packaging detail.



**Squarelock with filler**  
3/8" - 1-1/4"



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

### Type LA

A flexible liquidtight steel conduit which is both listed UL and certified CSA. 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 sizes are square lock formed and include an integral bonding strip of copper that is enclosed within the convolutions throughout its 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 retardant flexible PVC compound which resists oils, mild acids and exposure to sunlight. For further information, refer to the Conduit—Chemical Resistance chart beginning on p. 156.

### Applications

This conduit is intended for installation with Rule 12-1300 of Canadian Electrical Code (CEC) Part I 2002.

The use of a separate bonding conductor is mandatory in accordance with CEC Rule 12-1306 for Ordinary Locations.

The use of Liquidtight Flexible Conduit with sign and Outline Lighting are in accordance with CEC Rule 34-400 (2).

- Listed and marked for direct burial and in poured concrete.
- For containment of 600-volt and lower potential circuits
- Sunlight resistant

### Working Temperatures

-20°C to 60°C intermitting to 90°C

### Listing/Certification

- Listed. Conforms to UL Standard ANSI/UL-360 for Liquidtight Flexible Steel Conduit.
- Certified. Conforms to CSA 22.2 No. 56 for use per CEC C22.1 Section 12-1300.

### Standard Colours

Machine tool grey, and black. Other colours available upon request. Blue is commonly used for computer room installations. See TYPE CBLA on p.130.

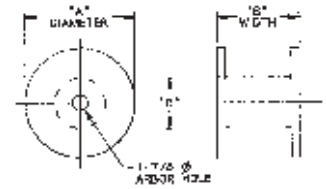
# T&B Conduit Fittings

Liquatite® Flexible Conduit

## Standard Dimensions and Packaging—Types

LT - LOR - EF - LA - CSA - ALT - AT  
 ATLA - ATX - CEA - ZHLA - LAS  
 EMS - EMSP - NMC - NMT - ACEA

## Reel Sizes



Trade Size (in.)	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	1.820	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
1-1/2	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

Approx. Reel Dimensions in. (mm)

"A"	"B"	"C"
24 (610)	19-1/2 (495)	12 (305)
31 (760)	19-1/2 (495)	12 (305)
31 (760) Special	19-1/2 (495)	15 (381)
42 (1029)	20 (508)	24 (610)
58 (1421)	29-1/2 (749)	28 (711)

Trade Size (in.)	58"		LT	31"			31" Special			24"	
	LT-LA-EF	42" LT-LA-EF		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	-	-	-	-	-	-	-	-	-	-	

## Cartons



Cat. No.	Trade Size (in.)	Standard Carton All types	Standard Carton Type LNM-P
038	3/8	30	75
050	1/2	30	60
075	3/4	30	50
100	1	30	30
125	1-1/4	15	30
150	1-1/2	15	15
200	2	15	15
250	2-1/2	8	-
300	3	8	-
350	3-1/2	8	-
400	4	8	-
500	5	8	-
600	6	8	-

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 colour coded with conduit size, type, colour, and footage as well as the NEMA and NAED bar code standards.

### Special Cut Lengths Available

Thomas & Betts can supply "cut-to-length" orders. Consult your Regional Sales Office for details.