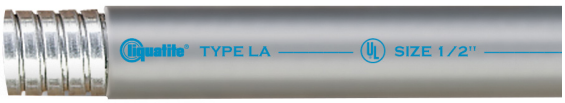
Jacketed Liquid-tight Flexible Metallic Conduits – Type LA



This flexible steel conduit offers outstanding protection against wet, oily conditions and is designed for use in exposed or concealed locations. 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" models are square-lock formed and include an integral bonding strip of copper that is enclosed within the convolutions through their entire length. The 1-1/2" and 2" models are designed with a fully interlocked strip. Suitable for the following working temperatures ranges:

Dry: -30 to +80°C [-22 to+176°F]

Wet: -30 to +60°C [-22 to +140°F]

Oil: -30 to +70°C [-22 to +158°F]

Square-locked design – Sizes 3/8" to 1-1/4"

Interlocked design – Sizes 1-1/2" and 2"

Applications

- Listed and marked for direct burial and in poured concrete
- For containment of 1000V and lower potential circuits
- Suitable as a grounding conductor when used for circuits rated up to 20A for the 3/8" and 1/2" trade sizes and 60A for the 3/4" through 1-1/4" trade sizes in lengths six feet or less per NEC Article 250.118(7).
- 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)(2) & 503.30(B) Div. 2: 503.10(A)(2)
- Installed under raised floors in data processing areas. Articles 645.5(E)(2).
- Electric signs and outline lighting over 1000V. Articles 600.7/600.32(A)(1).
- Permitted for service entrance wiring to 6ft. Article 230.43.
- Used as feeders and services at marinas and boatyards. Article 553.7(B).
- Wiring on buildings. Article 225.10.
- Conductor enclosures 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.

Approvals

- UL File E29278. Conforms to UL standard ANSI/UL-360 for Liquid-tight Flexible Steel conduit.
- RoHS2 and WEEE Compliant
- CSA certified File #LL18858

Type LA Jacketed Liquid-tight Flexible Metallic Conduits

Part Number	Price	Trade Size [in]	Length ft [m]	Bend Ø in [mm]	Ø in [mm] Inside Min/Max	Ø in [mm] Outside Min/Max	Weight [lb]	Color
LA-10-25	$56.00	3/8	25 [7.62]	2.0 [50.8]	0.484/0.504 [12.3/12.8]	0.690/0.710 [17.5/18.0]	7.25	Machine Tool Gray
LA-10-100	$187.00		100 [30.48]				29.0	
LA-11-25	$64.00	1/2	25 [7.62]	3.0 [76.2]	0.622/0.642 [15.8/16.3]	0.820/0.840 [20.8/21.3]	8.0	
LA-11-100	$216.00		100 [30.48]				32.0	
LA-12-25	$89.00	3/4	25 [7.62]	4.2 [106.7]	0.820/0.840 [20.8/21.3]	1.030/1.050 [26.2/26.7]	13.25	
LA-12-100	$294.00		100 [30.48]				53.0	
LA-13-25	$130.00	1	25 [7.62]	5.5 [139.7]	1.041/1.066 [26.4/27.1]	1.290/1.315 [32.8/33.4]	20.5	
LA-13-100	$464.00		100 [30.48]				82.0	
LA-14-50	$306.00	1-1/4	50 [15.24]	7.0 [177.8]	1.380/1.410 [35.1/35.8]	1.630/1.660 [41.4/42.2]	51.0	
LA-15-50	$342.00	1-1/2	50 [15.24]	4.5 [114.3]	1.575/1.600 [40.0/40.6]	1.865/1.900 [47.4/48.3]	62.0	
LA-16-50	$421.00	2	50 [15.24]	6.0 [152.4]	2.020/2.045 [51.3/51.9]	2.340/2.375 [59.4/60.3]	72.5	