Jacketed Liquid-tight Flexible Metallic Conduits – Type ATLA

This flexible steel conduit is designed specifically for extreme hot or cold environments. The PVC jacket remains flexible at low temperature, flame retardant, and resists aging at elevated temperatures. The flexible inner core is constructed from a spiral-wound strip of heavy gauge, hot-dipped galvanized steel. The 3/8" through 1-1/4" trade sizes contain an integral bonding strip of copper. The 1-1/2" and 2" versions are designed with a fully interlocked strip. Suitable for the following working temperatures ranges:

UL – Air: -55 to 105°C [-67 to 221°F]
Wet: -55 to 60°C [-67 to 140°F]
Oil: -55 to 70°C [-67 to 158°F]

CSA – Dry: -50 to 105°C [-58 to 221°F]
Oil: -50 to 75°C [-58 to 167°F]

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

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

Applications

- High temperature machine tool wiring, outdoor installations in cold climates.
- Permitted for use in exposed or concealed locations.
- Installations under raised floors in data processing areas. Article 645.5(E)(2).
- Listed and marked for direct burial and in poured concrete.
- For containment of 1000V and lower-potential circuits.
- Permitted for service entrance wiring to 6 ft. Article 230.43.
- 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(6).
- 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)
- Use as feeders and services at marinas and boatyards. Article 553.7(B.)
- Wiring on buildings. Article 225.10.
- Conductor enclosers 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

To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's

Type ATLA Jacketed Liquid-tight Flexible Metallic Conduits

Part Number	Price	Trade Size (in)	Length ft [m]	Inside Bend Ø in [mm]	Ø in [mm]		Weight (lb)	Color
					Inside Min/Max	Outside Min/Max		
ATLA-11-100		1/2	100 [30.48]	3.0 [76.2]	0.622/0.642 [15.8/16.3]	0.820/0.840 [20.8/21.3]	32.0	Machine Tool Gray
ATLA-12-100		3/4	100 [30.48]	4.2 [106.68]	0.820/0.840 [20.8/21.3]	1.030/1.050 [26.2/26.7]	53.0	
ATLA-13-100		1	100 [30.48]	5.5 [139.7]	1.041/1.066 [26.4/27.1]	1.290/1.315 [32.8/33.4]	82.0	
ATLA-14-50		1-1/4	50 [15.24]	7.0 [177.8]	1.380/1.410 [34.1/35.8]	1.630/1.660 [41.4/42.2]	51.0	
ATLA-15-50		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	
ATLA-16-50		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	