



FLEXIBLE ELECTRICAL CONDUIT



**electri-flex company**

Jacketed Metallic

EMI / RFI Shielded

Unjacketed Metallic

Nonmetallic



# Leadership in flexible



Liquatite® by Electri-Flex has earned a global reputation for manufacturing innovation and product quality. The pages that follow detail the most diverse flexible electrical conduit line in the world, with respect to available sizes, types and colors. But Electri-Flex's real source of success has sprung from its partnership philosophy. This philosophy was best stated by H. W. "West" Kinander, Jr., former president and co-owner, shortly before his untimely death in 1991.

*"Quality, service, fair distributor margins and loyalty to one's business partners has been the theme since our company began. It will continue to be the benchmark by which our company will be judged. You have my word."*



—H. W. "West" Kinander, Jr.

# electrical conduit

## for over 60 years

### The Liqueflex Line

The Liqueflex line includes nearly 50 types of flexible electrical conduit for contractors, OEMs, industrial maintenance and repair (MRO), government, utility and export users. Most conduits are available as standard products, and Electri-Flex has the manufacturing capability to develop specialized products as they are needed by customers.

An innovator in the liquidtight conduit industry, Electri-Flex is also a leader in packaging improvements and manufacturing patents. The majority of production tools and methods used are unique in that they are developed and built by Electri-Flex in its own tool shop in Roselle, Illinois, USA.

### Quality Assurance

Quality control for Liqueflex is performed by all levels of employment. To assure a high degree of quality assurance, Electri-Flex utilizes a vertically integrated manufacturing and production system, with each step performed in-house by a team of experts.

Our Quality Assurance Program offers testing procedures from the time raw materials are received at the facility to when the finished conduit is packaged and readied for shipping. Each foot of conduit produced passes through a series of gauges to determine diameters. Actual physical appearance is also checked.

A Quality Control Inspector randomly collects samples of each product at various stages of production. Testing covers such characteristics as tension strength, crush, flexibility and flammability. Further testing is also conducted during unannounced visits by both UL and CSA inspectors.

### Distribution and Representative Partners

Electri-Flex's representatives and distributors are the leaders in the markets they serve. The partners who have made Electri-Flex an industry leader share these qualities:

- **Representatives**—High degree of integrity and impeccable business reputation, knowledge of the product and the customer, carry compatible lines to make customer and distributor calls more productive, and day-to-day involvement by the principal of the company. For a representative in your area, please visit [www.electriflex.com](http://www.electriflex.com)
- **Distributors**—Industrially oriented, sound relations with customers, solid reputation in the community and quality sales people.

We choose only top-performing distributors who have the ability to grow with us in the electrical industry.

### Marketing Support

Making the best product doesn't create success without exceptional sales, service

and marketing programs that meet the needs of representatives and distributors. Our sales support services include:

- Rep warehouse locations across the United States
- On-site 64,000-square-foot distribution center
- Shipments of stocked items within one to three days from consigned stock locations
- Responsive sales and customer service departments
- Effective advertising support program that produces qualified leads
- Referrals on inquiries within a distributor's territory
- Special "off-sheet" price quotations
- Training seminars
- Liberal catalog and sample policy

### A Close-knit Family Business

Electri-Flex was founded and is still owned by the Kinander family. The cultural focus is on high-quality products and services, with a strong sense of loyalty to Electri-Flex and its partners. We are dedicated to keeping this spirit of quality and loyalty alive within each employee. Electri-Flex's employees, representatives, distributors and customer partners continue to create the success Electri-Flex has enjoyed for more than 60 years.

### Industry Affiliations

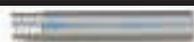
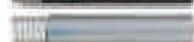
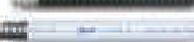
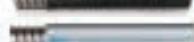
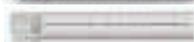


# Conduit Application Guide

	Conduit Type	Page	Flexibility				Metal Used	Plastic Used	High Mech. Strength	Listed for Direct Burial	Halogen-Free	Low Fire Hazard	Sunlight/UV Resistant	Accepts Standard Liquid-tight Fittings	Self-Extinguishing	EMI/RFI Shielding	Approval
			Continued Flexing	Small Bend Radius	Flexible	Pliable (Static)											
<b>JACKETED METALLIC</b>	TYPE LA	9			•		Steel	PVC	•	•			Best	•	•		UL SF CE
	TYPE LT	10		•	•		Steel	PVC					Good	•			CE
	TYPE EF	11		•	•		Steel	PVC					Good	•			CE
	TYPE ATLA	12			•		Steel	PVC	•	•			Best	•	•		UL SF CE
	TYPE AT	13		•	•		Steel	PVC					Best	•			CE
	TYPE ATX	14		•	•		Steel	TPR			•		Best	•			CE
	TYPE ALT	15			•		Aluminum	PVC					Good	•			CE
	TYPE ZHLA	16			•		Steel	PU	•	•	•	•	Best	•	•		UL SF CE
	TYPE CEA	17			•		Steel	PU			•	•	Best	•	•		CE
	TYPE ACEA	18			•		Aluminum	PU			•	•	Best	•	•		CE
	TYPE LOR	19		•	•		Steel	PVC					Best	•			CE
	TYPE CSA	20			•		Steel	PVC	•				Good	•	•		SF CE
	TYPE VJC	21		•	•		Steel	PVC						•			
	TYPE LAFG	22		•	•		Steel	PVC	•	•			Best	•	•		UL NSF/FDA CE
	TYPE LTFG	23		•	•		Steel	PVC					Good	•			NSF/FDA CE
	TYPE LSSFG	24			•		Stainless Steel	PVC	•				Good	•			NSF/FDA CE
	TYPE LTSS	25			•		Stainless Steel	PVC	•				Good	•			CE
	TYPE ZHSS	26			•		Stainless Steel	PU	•		•	•	Best	•	•		CE
	TYPE ATXSS	27			•		Stainless Steel	TPR	•		•		Good	•			CE
	TYPE ATSS	27			•		Stainless Steel	PVC	•				Best	•			CE
TYPE CBLA	28			•		Steel	PVC	•	•			Best	•	•		UL SF CE	
<b>EMI/RFI</b>	TYPE SLA	32			•		Steel	PVC	•	•	Available	Available	Best	•	•	•	UL CE
	TYPE EMS	33			•		Bronze	PVC			Available	Available	Best	•	•	•	CE
	TYPE EMCS	34			•		Bronze	PVC			Available	Available	Best	•	•	•	CE
<b>UNJACKETED METALLIC</b>	TYPE BR	37			•		Steel		•								UL SF CE
	TYPE ABR	38			•		Aluminum										UL SF CE
	TYPE ABRH	39			•		Aluminum		•								UL** SF CE
	TYPE USL	40		•	•		Steel										RA
	TYPE SL	41		•	•		Steel										
	TYPE UG	42				•	Steel										
<b>NONMETALLIC</b>	CORRLOK®	44	•	•	•			Nylon	•		•	•	Good		•		RA
	TYPE LNM-P	45	•		•			PVC					Best	FNMC-A	•		UL SF
	TYPE NM	46			•			PVC	•	•			Best	•	•		UL SF
	TYPE NMHT	47			•			PVC	•	•			Best	•	•		UL SF
	TYPE NMFG	48			•			PVC					Good	•			UL SF NSF, FDA
	TYPE NM2	49	•		•			PVC					Good	•	•		RA SF

\*Type BR is CSA certified in 3/8" only. Type ABR is CSA certified in 3/8" and 7/16" only. \*\*Type ABRH is UL listed in sizes 1/2" - 4" only. Shield-Flex, SLA, EMS, EMCS, HFSLA, HFEMS, HFEMCS, are trademarks of Electri-Flex Company, registered in the U.S. Patent and Trademark Office.

# Conduit Application Guide

		Temperature Range											General Chemical Resistance				
		°C	-60°	-40°	-20°	0°	50°	60°	75°	80°	90°	105°	150°	Oils	Acids		
		°F	-76°	-40°	-4°	32°	122°	140°	167°	176°	194°	221°	302°				
Conduit Type	Page																
<b>JACKETED METALLIC</b>	 TYPE LA	9														•	•
	 TYPE LT	10														•	•
	 TYPE EF	11														•	•
	 TYPE ATLA	12														•	•
	 TYPE AT	13														•	•
	 TYPE ATX	14														•	•
	 TYPE ALT	15														•	•
	 TYPE ZHLA	16														•	•
	 TYPE CEA	17														•	•
	 TYPE ACEA	18														•	•
	 TYPE LOR	19														•	•
	 TYPE CSA	20														•	•
	 TYPE VJC	21														•	•
	 TYPE LAFG	22														•	•
	 TYPE LTFG	23														•	•
	 TYPE LSSFG	24														•	•
	 TYPE LTSS	25														•	•
	 TYPE ZHSS	26														•	•
	 TYPE ATXSS	27														•	•
	 TYPE ATSS	27														•	•
 TYPE CBLA	28														•	•	
<b>EMI/RFI</b>	 TYPE SLA	32													•	•	
	 TYPE EMS	33													•	•	
	 TYPE EMCS	34													•	•	
<b>UNJACKETED METALLIC</b>	 TYPE BR	37															
	 TYPE ABR	38															
	 TYPE ABRH	39															
	 TYPE USL	40															
	 TYPE SL	41															
	 TYPE UG	42															
<b>NONMETALLIC</b>	 CORRLOK®	44													•	•	
	 TYPE LNM-P	45													•	•	
	 TYPE NM	46													•	•	
	 TYPE NMHT	47													•	•	
	 TYPE NMFG	48													•	•	
	 TYPE NM2	49													•	•	

# Products for Every Market

**E**lectri-Flex offers flexible conduit for any application. The diversity of the Liquatite® product line allows us to serve the more than 20 major markets listed in this catalog as well as many other specialty markets.

Electri-Flex conduits are manufactured with features and specifications that allow them to be used across multiple markets. Many products are tailor-made to specific markets, such as for food processing and pharmaceuticals, while others can be used across a wide variety of markets. Some markets include:

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

The following page provides an overview of the primary markets served by Electri-Flex. Use it to find the best conduit for these markets.





# Jacketed Metallic

Electri-Flex offers the broadest variety of liquidtight flexible metal conduits, ranging from UL listed and CSA certified products to specialized conduits designed for extreme temperatures, non-halogen, low smoke, RFI shielding and food grade applications.

These conduits offer the advantages of a flexible sealed raceway coupled with the strength of a metal core. For more information on our Jacketed Metallic Conduits, see below for an overview or continue through this section.

Jacketed Metallic

Conduit Type	Page
TYPE LA	9
TYPE LT	10
TYPE EF	11
TYPE ATLA	12
TYPE AT	13
TYPE ATX	14
TYPE ALT	15
TYPE ZHLA	16
TYPE CEA	17
TYPE ACEA	18
TYPE LOR	19
TYPE CSA	20
TYPE VJC	21
TYPE LAFG	22
TYPE LTFG	23
TYPE LSSFG	24
TYPE LTSS	25
TYPE ZHSS	26
TYPE ATXSS	27
TYPE ATSS	27
TYPE CBLA	28

## Distinctive Characteristics May Include:

- UL listed, CSA certified
- CE
- NSF Certified Component
- WEEE and RoHS Compliant
- Halogen-free
- Flame-resistant
- High impact and crush strength
- Resistant to many chemicals
- Sunlight-resistant
- Withstands extreme temperature ranges

## Applications / Vertical Markets:

- Passenger Rail Vehicle Wiring
- Industrial Control Equipment
- Machine Tools
- Textile Machinery
- Molding/Extrusion Equipment
- Fiber Optics
- Medical Equipment
- Food and Pharmaceutical Equipment
- Healthcare
- Data Centers
- Waste Water Treatment
- Utility



We can blend to any color preference for quick identification of circuits.

See page 29 for details.

# TYPE LA



A flexible 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:

### 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)

## 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(7). 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 502.1 (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 (2)
- 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)
- 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



### Markets:

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

Proudly made in the U.S.A.

## 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 22.2 No.56 for use per the Canadian Electrical Code C22.1 Section 12-1300. FT1

WEEE and RoHS Compliant

BS EN IEC 61386 Classification Code 444240650414

ARRA Certification

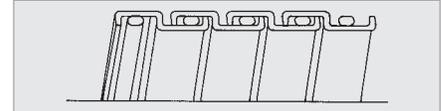
### Standard Colors

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

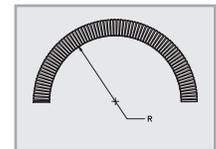
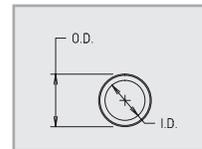
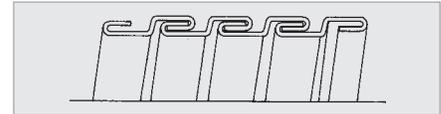
### Working Temperatures

-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"



US Trade Size	ISO (MM)	CSA (MM)	Type	INTERNAL DIAMETER		OUTER DIAMETER		INSIDE BEND RADIUS		WEIGHT Lbs. per 100 Ft.	Carton (Ft.)	Part # (Gray)	Part # (Black)	STANDARD LENGTH					
				Min (IN.)	Max (IN.)	Min (IN.)	Max (IN.)	Static (IN.)	Dynamic (IN.)					Reel (Ft.)	Part # (Gray)	Part # (Black)	Reel (Ft.)	Part # (Gray)	Part # (Black)
3/8"	16	12	LA-10	0.484	0.504	0.690	0.710	2.0	4.0	29	100	20101	20801	500	20103	20803	1000	20104	20804
1/2"	20	16	LA-11	0.622	0.642	0.820	0.840	3.0	5.0	32	100	21101	21801	500	21103	21803	1000	21104	21804
3/4"	25	21	LA-12	0.820	0.840	1.030	1.050	4.2	6.0	53	100	22101	22801	500	22104	22804	1000	22110	22810
1"	32	27	LA-13	1.041	1.066	1.290	1.315	5.5	12.0	82	100	23102	23802	400	23104	23804			
1 1/4"	40	35	LA-14	1.380	1.410	1.630	1.660	7.0	15.0	102	50	24102	24802	200	24104	24804			
1 1/2"	50	41	LA-15	1.575	1.600	1.865	1.900	4.5	17.0	124	50	25102	25802	150	25104	25804			
2"	63	53	LA-16	2.020	2.045	2.340	2.375	6.0	22.0	145	50	26102	26802	100	26104	26804			
2 1/2"	70	63	LA-17	2.480	2.505	2.840	2.875	8.0	30.0	192	25	27102	27802	275	27105	27805			
3"	80	78	LA-18	3.070	3.100	3.460	3.500	10.0	36.0	252	25	28102	28802	175	28105	28805			
3 1/2"	90	91	LA-350	3.500	3.540	3.960	4.000	11.0	43.0	308	25	28502		175	28505				
4"	100	103	LA-19	4.000	4.040	4.460	4.500	12.0	52.0	350	25	29102	29502	100	29105	29505			

# ENGINEERING INFORMATION



## ELECTRI-FLEX VISE

The Electri-Flex cutting vise is recommended for accurate, straight cuts in the field. This lightweight cast iron vise can either be bench-mounted or carried in the tool box. The clamping mechanism securely holds the flexible conduit while the slots guide a hacksaw to ensure a clean, square cut. Suitable for conduit trade sizes 3/8" to 1-1/2". Works well on other tubing and materials too. Order P/N: 90030, weight 2.4 lbs.

## CUTTING FLEXIBLE CONDUITS

Proper cutting methods for flexible conduits are important to ensure a sealed connection when assembled with intended fittings. Furthermore, in case of flexible conduits containing steel, a clean, square cut is necessary for establishing a good connection for continuity of the ground.

## HAND CUTTING IN FIELD

When using a handheld hacksaw, care should be taken to make a square, clean cut. This can be easily achieved through the use of the cutting vise shown on this page. For best results, a blade having 24 to 32 teeth per inch with no-set is recommended. For larger sizes, apply reinforced tape around the circumference of the conduit and cut directly through the middle of the tape. This will reduce the possibility of flaring the ends while cutting.

## REPETITIVE PRODUCTION CUTTING

It has been our experience that in order to achieve the best results; a band saw having a blade with 24 to 32 teeth per inch at a speed of 300 to 350 feet per minute should be used. A no-set blade will produce the cleanest cut. Conduit should be held and supported in a safe manner. Abrasive cut-off wheels and chop saws are not recommended.

## Conduit Wire Fill Charts

Per National Electrical Code—Chapter 9, Table 4

Trade Size	Internal Diameter (In.)	Total Area 100% (sq. In.)	2 Wires 31% (sq. In.)	Over 2 Wires 40% (sq. In.)	1 Wire 53% (sq. In.)	Internal Diameter (In.)	Total Area 100% (sq. In.)	2 Wires 31% (sq. In.)	Over 2 Wires 40% (sq. In.)	1 Wire 53% (sq. In.)
Flexible Metal Conduit—BR, ABR						Liquidtight Flexible Metal Conduit—LA, LT, EF, ATLA, AT, ATX, ALT, ZHLA, CEA, ACEA, LOR, CSA, VJC, LAFG, LTFG, LSSFG, LTSS, ZHSS, ATXSS, ATSS, CBLA				
3/8	0.384	0.116	0.036	0.046	0.061	0.494	0.192	0.060	0.077	0.102
1/2	0.635	0.317	0.098	0.127	0.168	0.632	0.314	0.097	0.126	0.166
3/4	0.824	0.533	0.165	0.213	0.282	0.830	0.541	0.168	0.216	0.287
1	1.020	0.817	0.253	0.327	0.433	1.054	0.872	0.270	0.349	0.462
1-1/4	1.275	1.277	0.396	0.511	0.677	1.395	1.528	0.474	0.611	0.810
1-1/2	1.538	1.857	0.576	0.743	0.984	1.588	1.979	0.613	0.792	1.049
2	2.040	3.269	1.013	1.308	1.733	2.033	3.245	1.006	1.298	1.720
2-1/2	2.500	4.909	1.522	1.964	2.602	2.493	4.879	1.512	1.952	2.586
3	3.000	7.069	2.191	2.828	3.747	3.085	7.475	2.317	2.990	3.962
3-1/2	3.500	9.621	2.983	3.848	5.099	3.520	9.731	3.017	3.892	5.157
4	4.000	12.566	3.895	5.026	6.660	4.020	12.692	3.935	5.077	6.727
Flexible Nonmetallic Conduit Type A—LNM-P						Liquidtight Nonmetallic Conduit Type B—NM, NMHT, NMFG, NM2				
3/8	0.495	0.192	0.060	0.077	0.102	0.494	0.192	0.060	0.077	0.102
1/2	0.630	0.312	0.097	0.125	0.165	0.632	0.314	0.097	0.126	0.166
3/4	0.825	0.535	0.166	0.214	0.284	0.830	0.541	0.168	0.216	0.287
1	1.043	0.854	0.265	0.342	0.453	1.054	0.872	0.270	0.349	0.462
1-1/4	1.383	1.501	0.465	0.600	0.796	1.395	1.528	0.474	0.611	0.810
1-1/2	1.603	2.017	0.625	0.807	1.069	1.588	1.979	0.613	0.792	1.049
2	2.063	3.341	1.036	1.336	1.771	2.033	3.245	1.006	1.298	1.720
NPT Threaded Fittings						NPT Threaded Fittings—Knock Out Diameter				
3/8	1/2					7/8				
1/2	1/2					7/8				
3/4	3/4					1-3/32				
1	1					1-23/64				
1-1/4	1-1/4					1-23/32				
1-1/2	1-1/2					2				
2	2					2-1/2				

# STANDARD DIMENSIONS

TYPE LA • TYPE LT • TYPE EF • TYPE ATLA • TYPE AT • TYPE ATX • TYPE ALT • TYPE ZHLA • TYPE CEA • TYPE ACEA • TYPE LOR • TYPE CSA • TYPE VJC • TYPE LAFG • TYPE LTFG • TYPE LSSFG • TYPE LTSS • TYPE ZHSS • TYPE ATXSS • TYPE ATSS • TYPE CBLA • TYPE SLA • TYPE EMS • TYPE EMCS • TYPE NM • TYPE NMHT • TYPE NM2 • TYPE NMFG

## STANDARD DIMENSIONS FOR LIQUIDTIGHT FLEXIBLE CONDUIT

Trade Size (In.)	Type	Diameter (in.)		Diameter (mm)	
		Inside Min/Max	Outside Min/Max	Inside Min/Max	Outside Min/Max
1/4	140	0.245/0.265	0.450/0.470	6.2/6.7	11.4/11.9
5/16	516	0.385/0.405	0.570/0.590	9.8/10.3	14.5/15.0
3/8	10	0.484/0.504	0.690/0.710	12.3/12.8	17.5/18.0
1/2	11	0.622/0.642	0.820/0.840	15.8/16.3	20.8/21.3
3/4	12	0.820/0.840	1.030/1.050	20.8/21.3	26.2/26.7
1	13	1.041/1.066	1.290/1.315	26.4/27.1	32.8/33.4
1-1/4	14	1.380/1.410	1.630/1.660	35.1/35.8	41.4/42.2
1-1/2	15	1.575/1.600	1.865/1.900	40.0/40.6	47.4/48.3
2	16	2.020/2.045	2.340/2.375	51.3/51.9	59.4/60.3
2-1/2	17	2.480/2.505	2.840/2.875	63.0/63.6	72.1/73.0
3	18	3.070/3.100	3.460/3.500	78.0/78.7	87.9/88.8
3-1/2	350	3.500/3.540	3.960/4.000	88.9/89.9	100.6/101.6
4	19	4.000/4.040	4.460/4.500	101.6/102.6	113.3/114.3
5	500	4.975/5.035	5.505/5.565	126.4/127.9	139.8/141.4
6	600	6.015/6.075	6.565/6.625	152.8/154.3	166.8/168.3

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

## COMMON CONVERSIONS

Length	Weight	Temperature
1 Foot = 0.305 Meters	1 Pound = 454 Grams	°C = Degrees Centigrade
1 Meter = 3.281 Feet	1 Pound = 0.454 Kilograms	°F = Degrees Fahrenheit
1 Inch = 25.4 Millimeters	1 Kilogram = 2.205 Pounds	°C = (°F - 32) ÷ 1.8
1 Millimeter = 0.039 Inches	1 Gram = 0.035 Ounces	°F = (°C x 1.8) + 32
1 Inch = 2.54 Centimeters	1 Ounce = 28.349 Grams	-
1 Centimeter = 0.394 Inches	-	-



### NEMA Guidelines Publication

NEMA (National Electrical Manufacturers Association) has developed and published an APPLICATION AND INSTALLATION GUIDELINES FOR FLEXIBLE AND LIQUIDTIGHT FLEXIBLE METAL AND NONMETALLIC CONDUITS. This publication, NEMA RV 3-2014, is available at this link: [www.nema.org/stds/rv3.cfm#download](http://www.nema.org/stds/rv3.cfm#download)

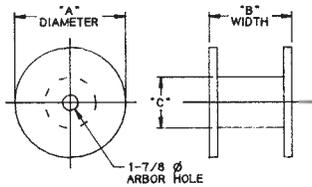
# REEL DIMENSIONS

Carton and reel lengths are approximate due to variations during the extrusion process.

Trade Size (in.)	Type	58"				42"					30"					32" Special			24"		
		LT LA EF	LT LA Ef	BR ABR	LNLM-P	LT LA EF	BR ABR	LNLM-P	LT LA EF	BR ABR	LNLM-P	LT LA EF	BR ABR	LNLM-P	LT LA EF	BR ABR	LNLM-P				
3/8	10	6000	-	-	-	1000	1000	1000	2000	1000	-	-	-	1000	500	500					
1/2	11	4500	-	-	1000	1000	1000	1000	1000	500	-	-	-	-	-	500					
3/4	12	2500	1000	-	-	500	500	500	500	500	-	-	-	-	-	-					
1	13	1500	-	-	-	400	-	400	400	400	-	400	-	-	-	-					
1-1/4	14	1000	-	400	-	200	-	200	-	200	-	200	-	-	-	-					
1-1/2	15	750	-	300	-	-	-	-	-	-	150	150	150	-	-	-					
2	16	500	-	150	-	-	-	-	-	-	100	100	100	-	-	-					
2-1/2	17	275	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
3	18	175	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
3-1/2	350	175	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
4	19	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
5	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
6	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					

## Approximate Reel Dimensions

"A"		"B"		"C"		Weight		Qty./Skid
(in)	(cm)	(in)	(cm)	(in)	(cm)	(lbs)	(kg)	
24	60.96	19.5	49.53	12	30.48	17	7.7	4
30	76.2	19.5	49.53	12	30.48	21	9.5	4
32 (Special)	81.28	19.5	49.53	14	35.56	23	10.4	4
42	106.68	20	50.8	24	60.96	70	31.8	1
58 (Jumbo)	147.32	36	91.44	28	71.12	208	94.3	1



### Lazy Louie Liquatite Reel Payout Stand

Safe and easy handling of conduit for contractor and high-rise work.

This rugged yet simple payout reel is worth its weight in gold. It easily handles reels (32" diameter and smaller) hassle-free, and can take loaded reels of 400 lbs. capacity.

The tough steel construction of the base, roller bearings and top plate make dispensing conduit fast and efficient, while the tubular shaft makes set up and handling a breeze. There's never a need of a hoist or a forklift to push the reels around. With the Lazy Louie you set up where you want to work and that's it.

Weight 11 lbs. P/N 90040



## Dimensions

Carton Type	Size: L x W x H in. (cm.)			Trade Size in.	ISO Size mm.	CSA Size mm.	Length Per Carton ft. (m.)
	L	W	H				
<b>Liquatite Types LA, LT, and EF</b>							
R1	14-3/8 (36.53)	7-3/4 (19.685)	15 (38.1)	1/4	10	8	250 (75)
				5/16	12	10	250 (75)
				3/8	16	12	100 (30)
R2	16-3/4 (42.55)	8 (20.32)	17-5/8 (44.77)	1/2	20	16	100 (30)
R3	20-3/8 (51.77)	8 (20.32)	20-3/4 (52.7)	3/4	25	21	100 (30)
R4	24-1/2 (62.23)	8-1/4 (20.96)	25-1/4 (64.135)	1	32	27	100 (30)
				1-1/4	40	35	50 (15)
R6	37 (93.98)	10-3/8 (26.37)	33-5/8 (85.41)	1-1/2	50	41	50 (15)
				2	63	53	50 (15)
				2-1/2	70	63	25 (8)
#3	52 (132.08)	8-1/2 (21.59)	52 (132.08)	3	80	78	25 (8)
3 & 4	60-1/4 (153.04)	6-1/2 (16.5)	60-1/4 (153.04)	3-1/2	90	91	25 (8)
				4	100	103	25 (8)
5 & 6	66 (167.64)	12-1/2 (31.75)	66 (167.64)	5	125	-	25 (8)
6	66 (167.64)	12-1/2 (31.75)	66 (167.64)	6	150	-	25 (8)
<b>Nonmetallic Type LNM-P</b>							
Small LNM-P	34-3/4 (88.27)	7 (17.78)	34-3/4 (88.27)	3/8	16	12	250 (75)
				1/2	20	16	200 (60)
				3/4	25	21	175 (50)
				1	32	27	100 (30)
				1-1/4	40	35	100 (30)
Large LNM-P	43 (109.22)	7-3/4 (19.7)	43 (109.22)	1-1/2	50	41	100 (30)
				2	63	53	50 (15)
<b>Nonmetallic Type NM and NM2</b>							
-	6 (15.24)	20 (50.8)	20 (50.8)	3/8	16	12	100 (30)
-	6 (15.24)	20 (50.8)	20 (50.8)	1/2	20	16	100 (30)
-	7 (17.78)	22 (55.88)	22 (55.88)	3/4	25	21	100 (30)
-	8 (20.32)	24 (60.96)	24 (60.96)	1	32	27	100 (30)
-	9 (22.86)	26 (66.04)	26 (66.04)	1-1/4	40	35	100 (30)
-	7 (17.78)	30 (76.2)	30 (76.2)	1-1/2	50	41	50 (15)
-	7 (17.78)	30 (76.2)	30 (76.2)	2	63	53	50 (15)

## Skids

Standard Skid Quantities: 48" x 40" x 5"					
Trade Size (in.)	Catalog Number	Flex	Liquatite	Nonmetallic	
		ABR, BR	EF, LA, LT	LNM-P	NM
3/8	10	60 coils	45 cartons	100	250
1/2	11	25 coils	45 cartons	100	200
3/4	12	25 coils	24 cartons	100	175
1	13	28 coils	20 cartons	100	100
1-1/4	14	28 coils	20 cartons	50	100
1-1/2	15	28 coils	5 cartons	50	50
2	16	28 coils	5 cartons	50	50
2-1/2	17	5 coils	5 cartons	25	-
3	18	5 coils	5 cartons	25	-
3-1/2	350	5 coils	5 cartons	25	-
4	19	4 coils	5 cartons	25	-

## Cartons

Trade Size (in.)	Catalog Number	Standard Carton Type	
		All	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	-

## Packaging, Disclaimer and Warranty

### DISCLAIMER

All specifications contained herein are subject to change without notice. [Please refer to www.electriflex.com](http://www.electriflex.com) for the most current product information.

Carton and reel lengths are approximate due to variations during the extrusion process.

### PRODUCT WARRANTY

The Electri-Flex Company manufactures its products to the specifications and standards as described in the most current Electri-Flex catalog and it warrants them to be free from defects in materials and workmanship.

Electri-Flex will, in the case of product claim, be liable for only the price of the goods purchased. Remedies with respect to products sold by Electri-Flex will be limited only to the right of replacement, or to repayment of user's price of its product.

