# electrical conduit for over 55 years

#### **The Liquatite Line**

The Liquatite line includes nearly 40 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.

#### **Quality Assurance**

Quality control for Liquatite 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 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
- **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.

#### **Members of:**

- NAED
- NEMRA
- NEMA

#### **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
- Distributor Policy brochure
- 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 55 years.

	Conduit			F	Flexil	bility	,										
	Applicat Guide	tion		Flexing	d Radius		atic)				Listed			Accepts			
	Guide	Conduit Type	Page	Continued Flexing	Small Bend Radius	Flexible	Pliable (Static)	Metal Used	Plastic Used	High Mech. Strength	for Direct Burial	Halogen- Free	Low Fire Hazard	Standard Liquidtight Fittings	Self- Extinguish	EMI/RFI Shielding	Approval
	Gener Type LA	TYPE LA	7		03	•		Steel	PVC	•	•	nee	nazai u	•	•	Sinclung	(L) SP
		TYPE LT	8		•	•		Steel	PVC					•			JIC
	State	TYPE LTFG	9		•	•		Steel	PVC					•			NSF/FDA
	Gustis' TYPE EF SIZE 1/2"	TYPE EF	10		•	•		Steel	PVC					•			JIC
	Gener typelos are 1/2	TYPE LOR	10		•	•		Steel	PVC					•			JIC
.Э	Guarda' Type Cola () size 1	TYPE CBLA	11			•		Steel	PVC	•	•			•	•		(L) (F
etal	Gentle TYPE CSA SIZE 1/2	TYPE CSA	12			•		Steel	PVC	•				•	•		SP.
Σ	Guilly Type ATLA State 1/2"-	TYPE ATLA	13			•		Steel	PVC	•	•			•	•		(L) (F
ete	Contre type at size 1/2	ТҮРЕ АТ	14		•	•		Steel	PVC					•			
<b>Jacketed Metallic</b>	Genetite: TYPE ATX SIZE 1	ТҮРЕ АТХ	14		•	•		Steel	TPR			•		•			
		ТҮРЕ VJC	15	•	•	•		Steel	PVC					•			
	THE ALT SEE 1/2	TYPE ALT	15			•		Aluminum	PVC					•			
	Gualite TYPE ZHLA E SZE 1/	TYPE ZHLA	16			•		Steel	PU	•	•	•	•	•	•		٩
	Guilty TYPE CEA SIZE 1/2"	TYPE CEA	17			•		Steel	PU			•	•	•	•		
	Gauther Type Acea Size 1/2"	TYPE ACEA	18			•		Aluminum	PU			•	•	•	•		
Ē	Genetic stored and	TYPE SLA	22			•		Steel	PVC	•	٠	Available	Available	•	•	•	(L)
EMI/RFI	Gualite' SHIELD FLEX"- TYPE EMS-	TYPE EMS	23			•		Bronze	PVC			Available	Available	•	•	•	
Ш	Contra sector - Type o	TYPE EMCS	23			•		Bronze	PVC			Available	Available	•	•	•	
		TYPE BR	25			•		Steel		•							€ 3/8
llic		TYPE ABR	26			•		Aluminum									(U) (SF 3/8
<b>Unjacketed Metalli</b>		TYPE ABRH	27			•		Aluminum		•							(SFF
≥ ק		TYPE FSC	27			•		Steel		•							
(ete		TYPE USL	28		•	•		Steel									.91
ijack		TYPE UG	28			•	•	Steel									
Ŋ		TYPE SL	29	•	•	•		Steel									
		TYPE PF	30				•	Steel									(L)
U		CORRLOK®	32	•	•	•	•		Nylon	•		•	•		•		591
Nonmetallic	Gaste Trie Louis Case 1/2	TYPE LNM-P	33	•		•			PVC					FNMC-A	•		(L) SF
me.	Gentler TYPE ION () SIZE 1/2"	TYPE NM	34			•			PVC	•	•			•	•		€L SF
Non	Guille TYPE NIGHT ® SIZE	TYPE NMHT	34			•			PVC	•	•			•	•		(L)
		TYPE NM2	35	•		•			PVC					•	•		51

Shield-Flex, SLA, EMS, EMCS, HFSLA, HFEMS & HFEMCS are trademarks of Electri-Flex Company, registered in the U.S. Patent and Trademark Office.

	Conduit								Temper	ature Ra	nge					[	
	Applica Guide	tion		°C	-60°	-40°	-20°	0°	50°	60°	75°	80°	90°	105°	150°		Chemical stance
	Guide	Conduit Type	Page	°F	-76°	-40°	-4°	32°	122°	140°	167°	176°	194°	221°	302°	Oils	Acids
	Guile TypeLA () size 1/2"-	TYPE LA	7													•	•
	Guille TypeLT SIZE 1/2"	TYPE LT	8													•	•
	TYPE LTFG -11 - Gentle - SIZE	TYPE LTFG	9													•	•
	N N N Guathy' Type EF	TYPE EF	10													•	•
		TYPE LOR	10													•	•
allic	Guattle' TYPE CBLA	TYPE CBLA	11													•	•
/let	Gentle' TYPE CSA SIZE 1/	TYPE CSA	12						-							•	•
ed N	Ganter Type ATLA STREE 1/2	TYPE ATLA	13													•	•
Jacketed Metallic	Gentre Type AT SIZE 1/2*	ТҮРЕ АТ	14													•	•
Jac	Gradile' Type ATX size	ТҮРЕ АТХ	14													•	
		ТҮРЕ VJC	15													•	•
	TYPEALT STELL	TYPE ALT	15													•	•
	Gualle' TYPE ZHLA 🛞 SIZE 1	TYPE ZHLA	16													•	
	Guille' TYPE CEA SIZE 1/2"	ТҮРЕ СЕА	17													•	
	Guilte' TYPE ACEA SIZE 1/2"-	TYPE ACEA	18													•	
RFI	Guilte settores 1v	TYPE SLA	22													•	•
EMI/RFI	Gualite' SHIELD-FLEX' TYPE EMS	TYPE EMS	23													•	•
ū	Gearlin Statements	TYPE EMCS	23													•	•
		TYPE BR	25														
allic	mmmm	TYPE ABR	26														
/leta		TYPE ABRH	27														
o d D∈		TYPE FSC	27														
kete		TYPE USL	28														
Uniacketed Metallic		TYPE UG	28														
5	HARE BAR HARAR BARAR BARAR BARAR MAN	TYPE SL	29														
		TYPE PF	30														
U		CORRLOK®	32													•	
Nonmetallic	Gute THELMAN () BZE 1/2	TYPE LNM-P	33						-							•	•
eme	Guille' TYPE NM (8) SIZE 1/2	TYPE NM	34													•	•
Non	Gastle' TYPE NMHT () 50	ТҮРЕ ММНТ	34													•	•
		TYPE NM2	35													•	•

## **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.

Conduit Type		Page	
Gentle TypeLA () Size 13	TYPE LA	7	
Gentifie' TYPE LT SIZE 1/2	TYPE LT	8	
TYPE LTFG -11 (Quality SIZ	TYPE LTFG	9	IEV
Genetite' TYPE EF SIZE 1/2" -	TYPE EF	10	
Guille' TYPE LOR SIZE 1/3	TYPE LOR	10	
Guality' TYPE CBLA ——— (E) SIZE 1.	TYPE CBLA	11	
Guality' TYPE CSA SIZE 1/2"	TYPE CSA	12	
Cualify' TYPE ATLA	TYPE ATLA	13	
Tota Guilie' TYPE AT SIZE 1/2"	TYPE AT	14	
Gualify' TYPE ATX ———————————————————————————————————	ТҮРЕ АТХ	14	
	TYPE VJC	15	
Buille' TYPE ALT SIZE 1/2"	TYPE ALT	15	
Gualile' TYPE ZHLA () SIZE 1/2	TYPE ZHLA	16	
Guille' TYPE CEA SIZE 1/2"	TYPE CEA	17	
Genetite' TYPE ACEA SIZE 1/2	TYPE ACEA	18	

#### **Distinctive Characteristics Include:**

- UL listed, CSA certified
- 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 19 for details.

liguatite

3/8" (12)

LA

LA-10

# TYPE LA



A flexible steel conduit that 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 sizes are squarelock formed and include an integral bonding strip of copper that is enclosed within the convolutions throughout their 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 that resists oils, mild acids and exposure to sunlight. Refer to the Chemical Resistance Guide on our website for further information.

#### APPLICATION:

This conduit is intended for installation in accordance with Article 350 of the NEC<sup>®</sup> (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 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 and 1/2 inch grade 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(6).

- Installations in hazardous (classified) locations:
  - Class | 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 1,000 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 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.

U Listed File #E29278. Conforms to Underwriters Laboratories Standard ANSI/ UL-360 for Liquidtight Flexible Steel conduit.

RoHS and WEEE Compliant.

Certified File #LL18858. Conforms to CSA 22.2 No.56 for use per the Canadian Electrical Code C22.1 Section 12-1300.

#### STANDARD COLORS:

Machine Tool Gray and Black. Other colors available upon request. Blue is commonly used for computer room installations. See Type CBLA.

#### WORKING TEMPERATURES:

-30°C to 80°C Dry/60°C Wet/70°C Oil

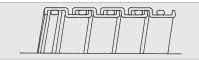
#### METAL USED: Steel

#### PLASTIC USED: PVC

See the Chemical Resistance Guide on our website.



Squarelock with Filler SIZES: 3/8"—1-1/4"



Interlock SIZES: 1-1/2"—4"

		Inside	Weight	Carton	Footage		Reel Fo	ootage	
Trade Size (ln.)	Туре	Bend Radius (In.)	(Lbs.)/100	Length	Part # Gray/Black	Length	Part # Gray/Black	Length	Part # Gray/Black
3/8	LA-10	2.0	29	100	20101/20801	500	20103/20803	1000	20104/20804
1/2	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	124	50	25102/25802	150	25104/25804	-	-/-
2	LA-16	6.0	145	50	26102/26802	100	26104/26804	-	-/-
2-1/2	LA/LT-17	8.0	192	25	27102/27802	275	27105/27805	-	-/-
3	LA/LT-18	10.0	252	25	28102/28802	175	28105/28805	-	-/-
3-1/2	LA/LT-350	11.0	308	25	28502/-	175	28505/-	-	-/-
4	LA/LT-19	12.0	350	25	29102/29502	100	29105/29505	-	-/-

See page 37 for dimensions.

### LT—LOR—LTFG—EF—LA—CSA—ALT—AT—ATLA—ATX ACEA—CEA—ZHLA—SLA—EMS—EMCS—NM—NM2

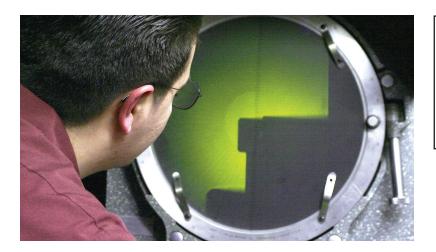
#### STANDARD DIMENSIONS FOR LIQUIDTIGHT FLEXIBLE CONDUIT

		Diame	<b>ter (</b> in.)	Diamet	er (mm)
Trade Size (In.)	Туре	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**

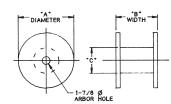
NEMA (National Electrical Manufacturers Association) has developed and published an APPLICATION AND INSTALLATION GUIDELINES FOR FLEXIBLE AND LIQUIDTIGHT FLEXIBLE METAL AND NONMETALLIC CONDUITS. This publication, NEMA RV 3-2010, is available at this link: www.nema.org/stds/rv3.cfm#download

## **Reel Dimensions**

		58"		42"				30"			3	2" Speci	al		24"	
Trade Size (in.)	Туре	LT LA EF	LT LA EF	BR ABR	LNM-P	ЦТ	LA	EF	BR ABR	LNM-P	ЦТ	LA	EF	BR ABR	LNM-P	LT LA EF
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	150	100	-	-	-
2-1/2	17	275	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	18	175	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-1/2	350	175	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	19	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

#### APPROXIMATE REEL DIMENSIONS

<b>"A"</b> (in.)	<b>"B" (in.)</b>	<b>"C"</b> (in.)	Weight (lbs.)	Qty./Skid
24	19.5	12	17	4
30	19.5	12	21	4
32 (Special)	19.5	14	23	4
42	20	24	70	1
58 (Jumbo)	36	28	208	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 (24" and 30" standard or 32" special) hassle-free, and can take loaded reels of 400 lbs. capacity.

Weight 11 lbs.

P/N 90040



## Cartons

Trade	Catalog	Standard C	arton Type
Size (in.)	Number	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	-

## **Skids**

#### STANDARD SKID QUANTITIES: 48" X 40" X 5"

Trade	Cat.	Flex	Liquatite	Nonm	etallic
Size (in.)	No.	ABR, BR	EF, LA, LT	LNMP	NM
3/8	10	60 coils	45 Cartons	7 Cartons	60 Cartons
1/2	11	25 coils	45 Cartons	7 Cartons	60 Cartons
3/4	12	25 coils	24 Cartons	7 Cartons	48 Cartons
1	13	28 coils	20 Cartons	7 Cartons	30 Cartons
1-1/4	14	28 coils	20 Cartons	7 Cartons	16 Cartons
1-1/2	15	28 coils	5 Cartons	7 Cartons	16 Cartons
2	16	28 coils	5 Cartons	6 Cartons	16 Cartons
2-1/2	17	5 coils	5 Cartons	-	-
3	18	5 coils	5 Cartons	-	-
3-1/2	350	5 coils	5 Cartons	-	-
4	19	4 coils	5 Cartons	-	-

# **Dimensions**

Carton Type	<b>Size: h × d × w</b> (in.)	Carton Product Size (in.)	Ftg. Per Carton				
	Liquatite Types LA,	LT and EF					
		1/4	250				
R1	15 x 14-3/8 x 7-3/4	5/16	250				
		3/8	100				
R2	17-5/8 x 16-3/4 x 8	1/2	100				
R3	20-3/4 x 20-3/8 x 8	3/4	100				
R4	25-1/4 x 24-1/2 x 8-1/4	1	100				
K4	25-1/4 X 24-1/2 X 8-1/4	1-1/4	50				
		1-1/2	50				
R6	33-5/8 x 37 x 10-3/8	2	50				
		2-1/2	25				
#3	52 x 52 x 8-1/2	3	25				
3 & 4	60-1/4 x 60-1/4 x 6-1/2	3-1/2	25				
3 & 4	00-1/4 X 00-1/4 X 0-1/2	4	25				
5 & 6	66 x 66 x 12-1/2	5	25				
2 & 6	00 X 00 X 12-1/2	6	25				

	Nonmetallic Type	LNM-P	
		3/8	250
		1/2	200
SMALL	34-3/4 x 34-3/4 x 7	3/4	175
LNM-P	34-3/4 X 34-3/4 X 7	1	100
		1-1/4	100
		1-1/2	50
Large LNMP	43 x 43 x 7-3/4	2	50
	Nonmetallic Type NM	/I and NM2	
-	Nonmetallic Type NM 20 x 6 x 20	<b>/I and NM2</b> 3/8	100
-			100 100
	20 x 6 x 20	3/8	
	20 x 6 x 20 20 x 6 x 20	3/8 1/2	100
- - - -	20 x 6 x 20 20 x 6 x 20 22 x 7 x 22	3/8 1/2 3/4	100 100
- - - - - -	20 x 6 x 20 20 x 6 x 20 22 x 7 x 22 24 x 8 x 24	3/8 1/2 3/4 1	100 100 100

### Packaging, Disclaimer and Warranty

#### DISCLAIMER

All specifications contained herein are subject to change without notice. Please refer to **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.

# electrical conduit for over 55 years

#### **The Liquatite Line**

The Liquatite line includes nearly 40 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.

#### **Quality Assurance**

Quality control for Liquatite 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 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
- **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.

#### **Members of:**

- NAED
- NEMRA
- NEMA

#### **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
- Distributor Policy brochure
- 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 55 years.

	Conduit			F	Flexil	bility	,										
	Applicat Guide	tion		Flexing	d Radius		atic)				Listed			Accepts			
	Guide	Conduit Type	Page	Continued Flexing	Small Bend Radius	Flexible	Pliable (Static)	Metal Used	Plastic Used	High Mech. Strength	for Direct Burial	Halogen- Free	Low Fire Hazard	Standard Liquidtight Fittings	Self- Extinguish	EMI/RFI Shielding	Approval
	Gener Typela 💦 😵 Szesi/2"	TYPE LA	7		03	•		Steel	PVC	•	•	nee	nazai u	•	•	Sinclung	(L) SP
		TYPE LT	8		•	•		Steel	PVC					•			JIC
	State	TYPE LTFG	9		•	•		Steel	PVC					•			NSF/FDA
	Gustis' TYPE EF SIZE 1/2"	TYPE EF	10		•	•		Steel	PVC					•			JIC
	Gener typelos are 1/2	TYPE LOR	10		•	•		Steel	PVC					•			JIC
.Э	Guarda' Type CBLA	TYPE CBLA	11			•		Steel	PVC	•	•			•	•		(L) (F
etal	Gentle TYPE CSA SIZE 1/2	TYPE CSA	12			•		Steel	PVC	•				•	•		SP.
Σ	Guilly Type ATLA () Size 1/2"-	TYPE ATLA	13			•		Steel	PVC	•	•			•	•		(L) (F
ete	Conter Type AT Size 1/2	ТҮРЕ АТ	14		•	•		Steel	PVC					•			
<b>Jacketed Metallic</b>	Genetite: TYPE ATX SIZE 1	ТҮРЕ АТХ	14		•	•		Steel	TPR			•		•			
		ТҮРЕ VJC	15	•	•	•		Steel	PVC					•			
	THE ALT SEE 1/2"	TYPE ALT	15			•		Aluminum	PVC					•			
	Gualite TYPE ZHLA E SZE 1/	TYPE ZHLA	16			•		Steel	PU	•	•	•	•	•	•		٩
	Guilty TYPE CEA SIZE 1/2"	TYPE CEA	17			•		Steel	PU			•	•	•	•		
	Gauther Type Acea Size 1/2"	TYPE ACEA	18			•		Aluminum	PU			•	•	•	•		
Ē	Genetike Shired P.L.X	TYPE SLA	22			•		Steel	PVC	•	٠	Available	Available	•	•	•	(L)
EMI/RFI	Gualite' SHIELD FLEX"- TYPE EMS-	TYPE EMS	23			•		Bronze	PVC			Available	Available	•	•	•	
Ш	Contra sector - Type o	TYPE EMCS	23			•		Bronze	PVC			Available	Available	•	•	•	
		TYPE BR	25			•		Steel		•							€ 3/8
llic		TYPE ABR	26			•		Aluminum									(U) (SF 3/8
<b>Unjacketed Metalli</b>		TYPE ABRH	27			•		Aluminum		•							(SFF
≥ ק		TYPE FSC	27			•		Steel		•							
(ete		TYPE USL	28		•	•		Steel									.91
ijack		TYPE UG	28			•	•	Steel									
Ŋ		TYPE SL	29	•	•	•		Steel									
		TYPE PF	30				•	Steel									(L)
U		CORRLOK®	32	•	•	•	•		Nylon	•		•	•		•		571
Nonmetallic	Gaste Trie Louis Case 1/2	TYPE LNM-P	33	•		•			PVC					FNMC-A	•		(L) SF
me.	Gentler TYPE ION () SIZE 1/2"	TYPE NM	34			•			PVC	•	•			•	•		€L SF
Non	Guille TYPE NIGHT @ SIZE	TYPE NMHT	34			•			PVC	•	•			•	•		(L)
		TYPE NM2	35	•		•			PVC					•	•		51

Shield-Flex, SLA, EMS, EMCS, HFSLA, HFEMS & HFEMCS are trademarks of Electri-Flex Company, registered in the U.S. Patent and Trademark Office.

	Conduit								Temper	ature Ra	nge					[	
	Applica Guide	tion		°C	-60°	-40°	-20°	0°	50°	60°	75°	80°	90°	105°	150°		Chemical stance
	Guide	Conduit Type	Page	°F	-76°	-40°	-4°	32°	122°	140°	167°	176°	194°	221°	302°	Oils	Acids
	Guile TypeLA () size 1/2"-	TYPE LA	7													•	•
	Guille TypeLT SIZE 1/2"	TYPE LT	8													•	•
	TYPE LTFG -11 - Gentle - SIZE	TYPE LTFG	9													•	•
	N N N Guathy' Type EF	TYPE EF	10													•	•
		TYPE LOR	10													•	•
allic	Guattle' TYPE CBLA —— () SZE	TYPE CBLA	11													•	•
/let	Gentle' TYPE CSA SIZE 1/	TYPE CSA	12						-							•	•
ed N	Ganter Type ATLA STREE 1/2	TYPE ATLA	13													•	•
Jacketed Metallic	Gentre Type AT SIZE 1/2*	ТҮРЕ АТ	14													•	•
Jac	Gradile' Type ATX size	ТҮРЕ АТХ	14													•	
		ТҮРЕ VJC	15													•	•
	TYPEALT STELL	TYPE ALT	15													•	•
	Gualle' TYPE ZHLA 🛞 SIZE 1	TYPE ZHLA	16													•	
	Guille' TYPE CEA SIZE 1/2"	ТҮРЕ СЕА	17													•	
	Guilte' TYPE ACEA SIZE 1/2"-	TYPE ACEA	18													•	
RFI	Guilte settores 1v	TYPE SLA	22													•	•
EMI/RFI	Gualite' SHIELD-FLEX' TYPE EMS	TYPE EMS	23													•	•
ū	Gentler second and the second se	TYPE EMCS	23													•	•
		TYPE BR	25														
allic	mmmm	TYPE ABR	26														
/leta		TYPE ABRH	27														
o d D∈		TYPE FSC	27														
kete		TYPE USL	28														
Uniacketed Metallic		TYPE UG	28														
5	HARE BAR HARAR BARAR BARAR BARAR MAN	TYPE SL	29														
		TYPE PF	30														
U		CORRLOK®	32													•	
Nonmetallic	Gute THELMAN () BZE 1/2	TYPE LNM-P	33						-							•	•
eme	Guille' TYPE NM (8) SIZE 1/2	TYPE NM	34													•	•
Non	Gastle' TYPE NMHT () 50	ТҮРЕ ММНТ	34													•	•
		TYPE NM2	35													•	•

## **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.

Conduit Type		Page	
Gentle Typela Size 1	TYPE LA	7	
Gentifie' TYPE LT SIZE 1/2	TYPE LT	8	
TYPE LTFG -11 (Quality SIZ	TYPE LTFG	9	IEV
Genetite' TYPE EF SIZE 1/2" -	TYPE EF	10	
Guille' TYPE LOR SIZE 1/3	TYPE LOR	10	
Guality' TYPE CBLA ——— (E) SIZE 1.	TYPE CBLA	11	
Guality' TYPE CSA SIZE 1/2"	TYPE CSA	12	
Cualify' TYPE ATLA	TYPE ATLA	13	
Tota Guilie' TYPE AT SIZE 1/2"	TYPE AT	14	
Gualify' TYPE ATX ———————————————————————————————————	ТҮРЕ АТХ	14	
	TYPE VJC	15	
Guille' TYPE ALT SIZE 1/2"	TYPE ALT	15	
Gualile' TYPE ZHLA () SIZE 1/2	TYPE ZHLA	16	
Guille' TYPE CEA SIZE 1/2"	TYPE CEA	17	
Genetite' TYPE ACEA SIZE 1/2	TYPE ACEA	18	

#### **Distinctive Characteristics Include:**

- UL listed, CSA certified
- 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 19 for details.

liguatite

3/8" (12)

LA

LA-10

# TYPE LA



A flexible steel conduit that 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 sizes are squarelock formed and include an integral bonding strip of copper that is enclosed within the convolutions throughout their 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 that resists oils, mild acids and exposure to sunlight. Refer to the Chemical Resistance Guide on our website for further information.

#### APPLICATION:

This conduit is intended for installation in accordance with Article 350 of the NEC<sup>®</sup> (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 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 and 1/2 inch grade 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(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)
- Installed under raised floors in data processing areas. Articles 645.5(E)(2).
- Electric signs and outline lighting over 1,000 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 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.

Usted File #E29278. Conforms to Underwriters Laboratories Standard ANSI/ UL-360 for Liquidtight Flexible Steel conduit.

RoHS and WEEE Compliant.

(Certified File #LL18858. Conforms to CSA 22.2 No.56 for use per the Canadian Electrical Code C22.1 Section 12-1300.

#### STANDARD COLORS:

Machine Tool Gray and Black. Other colors available upon request. Blue is commonly used for computer room installations. See Type CBLA.

#### WORKING TEMPERATURES:

-30°C to 80°C Dry/60°C Wet/70°C Oil

#### METAL USED: Steel

#### PLASTIC USED: PVC

See the Chemical Resistance Guide on our website.



Squarelock with Filler SIZES: 3/8"—1-1/4"



Interlock SIZES: 1-1/2"-4"



		Inside	Weight	Carton	Footage		Reel Fo	ootage	
Trade Size (In.)	Туре	Bend Radius (In.)	(Lbs.)/100	Length	Part # Gray/Black	Length	Part # Gray/Black	Length	Part # Gray/Black
3/8	LA-10	2.0	29	100	20101/20801	500	20103/20803	1000	20104/20804
1/2	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	124	50	25102/25802	150	25104/25804	-	-/-
2	LA-16	6.0	145	50	26102/26802	100	26104/26804	-	-/-
2-1/2	LA/LT-17	8.0	192	25	27102/27802	275	27105/27805	-	-/-
3	LA/LT-18	10.0	252	25	28102/28802	175	28105/28805	-	-/-
3-1/2	LA/LT-350	11.0	308	25	28502/-	175	28505/-	-	-/-
4	LA/LT-19	12.0	350	25	29102/29502	100	29105/29505	-	-/-

See page 37 for dimensions.

### LT—LOR—LTFG—EF—LA—CSA—ALT—AT—ATLA—ATX ACEA—CEA—ZHLA—SLA—EMS—EMCS—NM—NM2

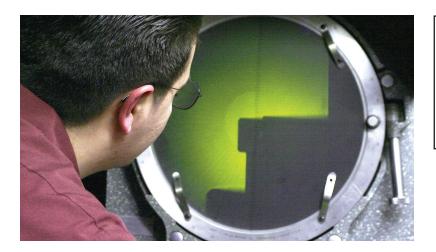
#### STANDARD DIMENSIONS FOR LIQUIDTIGHT FLEXIBLE CONDUIT

		Diame	<b>ter</b> (in.)	Diamet	er (mm)
Trade Size (In.)	Туре	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**

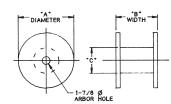
NEMA (National Electrical Manufacturers Association) has developed and published an APPLICATION AND INSTALLATION GUIDELINES FOR FLEXIBLE AND LIQUIDTIGHT FLEXIBLE METAL AND NONMETALLIC CONDUITS. This publication, NEMA RV 3-2010, is available at this link: www.nema.org/stds/rv3.cfm#download

## **Reel Dimensions**

		58"		42"				30"			3	2" Speci	al		24"	
Trade Size (in.)	Туре	LT LA EF	LT LA EF	BR ABR	LNM-P	ЦТ	LA	EF	BR ABR	LNM-P	ЦТ	LA	EF	BR ABR	LNM-P	LT LA EF
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	150	100	-	-	-
2-1/2	17	275	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	18	175	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-1/2	350	175	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	19	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

#### APPROXIMATE REEL DIMENSIONS

<b>"A"</b> (in.)	<b>"B" (in.)</b>	<b>"C"</b> (in.)	Weight (lbs.)	Qty./Skid
24	19.5	12	17	4
30	19.5	12	21	4
32 (Special)	19.5	14	23	4
42	20	24	70	1
58 (Jumbo)	36	28	208	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 (24" and 30" standard or 32" special) hassle-free, and can take loaded reels of 400 lbs. capacity.

Weight 11 lbs.

P/N 90040



## Cartons

Trade	Catalog	Standard C	arton Type
Size (in.)	Number	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	-

## **Skids**

#### STANDARD SKID QUANTITIES: 48" X 40" X 5"

Trade	Cat.	Flex	Liquatite	Nonm	etallic
Size (in.)	No.	ABR, BR	EF, LA, LT	LNMP	NM
3/8	10	60 coils	45 Cartons	7 Cartons	60 Cartons
1/2	11	25 coils	45 Cartons	7 Cartons	60 Cartons
3/4	12	25 coils	24 Cartons	7 Cartons	48 Cartons
1	13	28 coils	20 Cartons	7 Cartons	30 Cartons
1-1/4	14	28 coils	20 Cartons	7 Cartons	16 Cartons
1-1/2	15	28 coils	5 Cartons	7 Cartons	16 Cartons
2	16	28 coils	5 Cartons	6 Cartons	16 Cartons
2-1/2	17	5 coils	5 Cartons	-	-
3	18	5 coils	5 Cartons	-	-
3-1/2	350	5 coils	5 Cartons	-	-
4	19	4 coils	5 Cartons	-	-

# **Dimensions**

Carton Type	<b>Size: h × d × w</b> (in.)	Carton Product Size (in.)	Ftg. Per Carton			
	Liquatite Types LA,	LT and EF				
		1/4	250			
R1	15 x 14-3/8 x 7-3/4	5/16	250			
		3/8	100			
R2	17-5/8 x 16-3/4 x 8	1/2	100			
R3	20-3/4 x 20-3/8 x 8	3/4	100			
R4	25-1/4 x 24-1/2 x 8-1/4	1	100			
K4	25-1/4 X 24-1/2 X 8-1/4	1-1/4	50			
		1-1/2	50			
R6	33-5/8 x 37 x 10-3/8	2	50			
		2-1/2	25			
#3	52 x 52 x 8-1/2	3	25			
3 & 4	60-1/4 x 60-1/4 x 6-1/2	3-1/2	25			
3 & 4	00-1/4 X 00-1/4 X 0-1/2	4	25			
5 & 6	66 x 66 x 12-1/2	5	25			
2 & 6	00 X 00 X 12-1/2	6	25			

	Nonmetallic Type	LNM-P	
		3/8	250
		1/2	200
SMALL	34-3/4 x 34-3/4 x 7	3/4	175
LNM-P	54-5/4 X 54-5/4 X /	1	100
		1-1/4	100
		1-1/2	50
Large LNMP	43 x 43 x 7-3/4	2	50
	Nonmetallic Type NN	/I and NM2	
-	Nonmetallic Type NM 20 x 6 x 20	<b>/I and NM2</b> 3/8	100
-			100 100
- -	20 x 6 x 20	3/8	
	20 x 6 x 20 20 x 6 x 20	3/8 1/2	100
- - - -	20 x 6 x 20 20 x 6 x 20 22 x 7 x 22	3/8 1/2 3/4	100 100
- - - - -	20 x 6 x 20 20 x 6 x 20 22 x 7 x 22 24 x 8 x 24	3/8 1/2 3/4 1	100 100 100

### Packaging, Disclaimer and Warranty

#### DISCLAIMER

All specifications contained herein are subject to change without notice. Please refer to **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.