



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

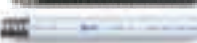
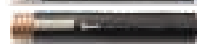
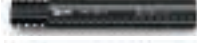
### A Close-knit Family Business

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

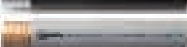
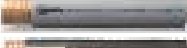
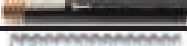
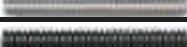
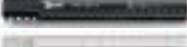


# Conduit Application Guide

|                                                                                     |                                                                                     |            | Flexibility       |                   |          |                  |            |                 |                     |                          |              |                 |                       |                                        |                    |                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                   |  |  |  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------|-------------------|-------------------|----------|------------------|------------|-----------------|---------------------|--------------------------|--------------|-----------------|-----------------------|----------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
|                                                                                     |                                                                                     |            | Continued Flexing | Small Bend Radius | Flexible | Pliable (Static) | 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                                                                                                                                                                                                                                                          |  |  |  |
|                                                                                     |                                                                                     |            | Conduit Type      | Page              |          |                  |            |                 |                     |                          |              |                 |                       |                                        |                    |                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                   |  |  |  |
| JACKETED METALLIC                                                                   |    | TYPE LA    | 9                 |                   |          | •                |            | Steel           | PVC                 | •                        | •            |                 |                       | Best                                   | •                  | •                                                                                                                                                                                                                                                                 |          |  |  |  |
|                                                                                     |    | TYPE LT    | 10                |                   | •        | •                |            | Steel           | PVC                 |                          |              |                 |                       | Good                                   | •                  |                                                                                                                                                                                                                                                                   |                                                                                                                                                                                |  |  |  |
|                                                                                     |    | TYPE EF    | 11                |                   | •        | •                |            | Steel           | PVC                 |                          |              |                 |                       | Good                                   | •                  |                                                                                                                                                                                                                                                                   |                                                                                                                                                                                |  |  |  |
|                                                                                     |    | TYPE ATLA  | 12                |                   |          | •                |            | Steel           | PVC                 | •                        | •            |                 |                       | Best                                   | •                  | •                                                                                                                                                                                                                                                                 |          |  |  |  |
|                                                                                     |    | TYPE AT    | 13                |                   | •        | •                |            | Steel           | PVC                 |                          |              |                 |                       | Best                                   | •                  |                                                                                                                                                                                                                                                                   |                                                                                                                                                                                |  |  |  |
|                                                                                     |    | TYPE ATX   | 14                |                   | •        | •                |            | Steel           | TPR                 |                          |              | •               |                       | Best                                   | •                  |                                                                                                                                                                                                                                                                   |                                                                                                                                                                                |  |  |  |
|                                                                                     |    | TYPE ALT   | 15                |                   |          | •                |            | Aluminum        | PVC                 |                          |              |                 |                       | Good                                   | •                  |                                                                                                                                                                                                                                                                   |                                                                                                                                                                                |  |  |  |
|                                                                                     |    | TYPE ZHLA  | 16                |                   |          | •                |            | Steel           | PU                  | •                        | •            | •               | •                     | Best                                   | •                  | •                                                                                                                                                                                                                                                                 |          |  |  |  |
|                                                                                     |    | TYPE CEA   | 17                |                   |          | •                |            | Steel           | PU                  |                          |              | •               | •                     | Best                                   | •                  | •                                                                                                                                                                                                                                                                 |                                                                                                                                                                                |  |  |  |
|                                                                                     |    | TYPE ACEA  | 18                |                   |          | •                |            | Aluminum        | PU                  |                          |              | •               | •                     | Best                                   | •                  | •                                                                                                                                                                                                                                                                 |                                                                                                                                                                                |  |  |  |
|                                                                                     |    | TYPE LOR   | 19                |                   | •        | •                |            | Steel           | PVC                 |                          |              |                 |                       | Best                                   | •                  |                                                                                                                                                                                                                                                                   |                                                                                                                                                                                |  |  |  |
|                                                                                     |    | TYPE CSA   | 20                |                   |          | •                |            | Steel           | PVC                 | •                        |              |                 |                       | Good                                   | •                  | •                                                                                                                                                                                                                                                                 |                                                                                             |  |  |  |
|                                                                                     |    | TYPE VJC   | 21                |                   | •        | •                |            | Steel           | PVC                 |                          |              |                 |                       |                                        | •                  |                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                   |  |  |  |
|                                                                                     |    | TYPE LAFG  | 22                |                   | •        | •                |            | Steel           | PVC                 | •                        | •            |                 |                       | Best                                   | •                  | •                                                                                                                                                                                                                                                                 |          |  |  |  |
|                                                                                     |   | TYPE LTFG  | 23                |                   | •        | •                |            | Steel           | PVC                 |                          |              |                 |                       | Good                                   | •                  |                                                                                                                                                                                                                                                                   |                                                                                           |  |  |  |
|                                                                                     |  | TYPE LSSFG | 24                |                   |          | •                |            | Stainless Steel | PVC                 | •                        |              |                 |                       | Good                                   | •                  |                                                                                                                                                                                                                                                                   |                                                                                         |  |  |  |
|                                                                                     |  | TYPE LTSS  | 25                |                   |          | •                |            | Stainless Steel | PVC                 | •                        |              |                 |                       | Good                                   | •                  |                                                                                                                                                                                                                                                                   |                                                                                                                                                                              |  |  |  |
|                                                                                     |  | TYPE ZHSS  | 26                |                   |          | •                |            | Stainless Steel | PU                  | •                        |              | •               | •                     | Best                                   | •                  | •                                                                                                                                                                                                                                                                 |                                                                                                                                                                              |  |  |  |
|                                                                                     |  | TYPE ATXSS | 27                |                   |          | •                |            | Stainless Steel | TPR                 | •                        |              | •               |                       | Good                                   | •                  |                                                                                                                                                                                                                                                                   |                                                                                                                                                                              |  |  |  |
|                                                                                     |  | TYPE ATSS  | 27                |                   |          | •                |            | Stainless Steel | PVC                 | •                        |              |                 |                       | Best                                   | •                  |                                                                                                                                                                                                                                                                   |                                                                                                                                                                              |  |  |  |
|  | TYPE CBLA                                                                           | 28         |                   |                   | •        |                  | Steel      | PVC             | •                   | •                        |              |                 | Best                  | •                                      | •                  |    |                                                                                                                                                                                                                                                                   |  |  |  |
| EMI/RFI                                                                             |  | TYPE SLA   | 32                |                   |          | •                |            | Steel           | PVC                 | •                        | •            | Available       | Available             | Best                                   | •                  | •                                                                                                                                                                                                                                                                 | •                                                                                       |  |  |  |
|                                                                                     |  | TYPE EMS   | 33                |                   |          | •                |            | Bronze          | PVC                 |                          |              | Available       | Available             | Best                                   | •                  | •                                                                                                                                                                                                                                                                 | •                                                                                                                                                                            |  |  |  |
|                                                                                     |  | TYPE EMCS  | 34                |                   |          | •                |            | Bronze          | PVC                 |                          |              | Available       | Available             | Best                                   | •                  | •                                                                                                                                                                                                                                                                 | •                                                                                                                                                                            |  |  |  |
| UNJACKETED METALLIC                                                                 |  | TYPE BR    | 37                |                   |          | •                |            | Steel           |                     | •                        |              |                 |                       |                                        |                    |                                                                                                                                                                                                                                                                   |    |  |  |  |
|                                                                                     |  | TYPE ABR   | 38                |                   |          | •                |            | Aluminum        |                     |                          |              |                 |                       |                                        |                    |                                                                                                                                                                                                                                                                   |    |  |  |  |
|                                                                                     |  | TYPE ABRH  | 39                |                   |          | •                |            | Aluminum        |                     | •                        |              |                 |                       |                                        |                    |                                                                                                                                                                                                                                                                   |    |  |  |  |
|                                                                                     |  | TYPE USL   | 40                |                   | •        | •                |            | Steel           |                     |                          |              |                 |                       |                                        |                    |                                                                                                                                                                                                                                                                   |                                                                                                                                                                              |  |  |  |
|                                                                                     |  | TYPE SL    | 41                |                   | •        | •                |            | Steel           |                     |                          |              |                 |                       |                                        |                    |                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                   |  |  |  |
|                                                                                     |  | TYPE UG    | 42                |                   |          |                  | •          | Steel           |                     |                          |              |                 |                       |                                        |                    |                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                   |  |  |  |
| NONMETALLIC                                                                         |  | CORRLOK®   | 44                | •                 | •        | •                |            |                 | Nylon               | •                        |              | •               | •                     | Good                                   |                    | •                                                                                                                                                                                                                                                                 |                                                                                                                                                                              |  |  |  |
|                                                                                     |  | TYPE LNM-P | 45                | •                 |          | •                |            |                 | PVC                 |                          |              |                 |                       | Best                                   | FNMC-A             | •                                                                                                                                                                                                                                                                 |                                                                                         |  |  |  |
|                                                                                     |  | TYPE NM    | 46                |                   |          | •                |            |                 | PVC                 | •                        | •            |                 |                       | Best                                   | •                  | •                                                                                                                                                                                                                                                                 |                                                                                         |  |  |  |
|                                                                                     |  | TYPE NMHT  | 47                |                   |          | •                |            |                 | PVC                 | •                        | •            |                 |                       | Best                                   | •                  | •                                                                                                                                                                                                                                                                 |                                                                                         |  |  |  |
|                                                                                     |  | TYPE NMFG  | 48                |                   |          | •                |            |                 | PVC                 |                          |              |                 |                       | Good                                   | •                  |                                                                                                                                                                                                                                                                   |    |  |  |  |
|                                                                                     |  | TYPE NM2   | 49                | •                 |          | •                |            |                 | PVC                 |                          |              |                 |                       | Good                                   | •                  | •                                                                                                                                                                                                                                                                 |                                                                                         |  |  |  |

\*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° |                             |       |  |
|                                                                                     |                                                                                     |            | °F                | -76° | -40° | -4°  | 32° | 122° | 140° | 167° | 176° | 194° | 221° | 302° | Oils                        | Acids |  |
| Conduit Type                                                                        |                                                                                     |            | Page              |      |      |      |     |      |      |      |      |      |      |      |                             |       |  |
| JACKETED METALLIC                                                                   |    | 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         |                   |      |      |      |     |      |      |      |      |      |      | •    | •                           |       |  |
| EMI/RFI                                                                             |  | TYPE SLA   | 32                |      |      |      |     |      |      |      |      |      |      |      | •                           | •     |  |
|                                                                                     |  | TYPE EMS   | 33                |      |      |      |     |      |      |      |      |      |      |      | •                           | •     |  |
|                                                                                     |  | TYPE EMCS  | 34                |      |      |      |     |      |      |      |      |      |      |      | •                           | •     |  |
| UNJACKETED METALLIC                                                                 |  | TYPE BR    | 37                |      |      |      |     |      |      |      |      |      |      |      |                             |       |  |
|                                                                                     |  | TYPE ABR   | 38                |      |      |      |     |      |      |      |      |      |      |      |                             |       |  |
|                                                                                     |  | TYPE ABRH  | 39                |      |      |      |     |      |      |      |      |      |      |      |                             |       |  |
|                                                                                     |  | TYPE USL   | 40                |      |      |      |     |      |      |      |      |      |      |      |                             |       |  |
|                                                                                     |  | TYPE SL    | 41                |      |      |      |     |      |      |      |      |      |      |      |                             |       |  |
|                                                                                     |  | TYPE UG    | 42                |      |      |      |     |      |      |      |      |      |      |      |                             |       |  |
| NONMETALLIC                                                                         |  | 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.*



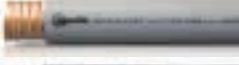


# EMI/RFI Shielded

Electri-Flex Company offers three types of flexible liquidtight conduits designed for wiring applications requiring shielding effectiveness from Electromagnetic and Radio Frequency Interference (EMI/RFI).

Shielded conduit provides exceptional shielding effectiveness from electromagnetic and radio frequency interference (EMI/RFI). Use it to protect sensitive electronic circuits from outside noise in such applications as communications, radar and data transmission. But shielded conduit doesn't just keep interference out, it also keeps emissions in, which is vital to meeting European CE standards - an important issue for OEMs. Additionally, shielding conduits provide a redundant EMI/RFI system protection when using shielded cables with EMI/RFI shielded enclosures.

All three are designed to accept industry standard liquidtight connectors and address the problems of assembly and grounding. Connectors of this type include a grounding ferrule, which contacts the internal metallic material of the conduit and the connector body. This produces a direct shield-to-drain or ground, simply by tightening the connector.

| Conduit Type                                                                                           | Page |
|--------------------------------------------------------------------------------------------------------|------|
|  <b>TYPE SLA</b>      | 32   |
|  <b>TYPE EMS</b>     | 33   |
|  <b>TYPE EMCS</b>   | 34   |
|  <b>TYPE HFSLA</b>  | 35   |
|  <b>TYPE HFEMS</b>  | 35   |
|  <b>TYPE HFEMCS</b> | 35   |



## SHIELD-FLEX

SHIELD-FLEX conduit allows for greater versatility than shielded cable in wiring configurations and retrofitting projects. With three levels of effectiveness to choose from, SHIELD-FLEX meets your needs.

### Distinctive Characteristics May Include:

- UL Listed (Type SLA)
- Accepts standard liquidtight fittings
- Withstands wide temperature ranges
- Three levels of EMI/RFI protection
- WEEE and RoHS Compliant
- Halogen-Free Also Available

### Markets We Serve:

- Medical
- Military
- Industrial
- Government/Defense
- Commercial
- Telecommunications
- Aerospace
- Public Transit
- Utilities

### Applications/Markets:

- Air Handling Equipment (HVAC)
- Test & Measurement Equipment
- Data Centers
- Variable Speed Drives
- Commercial-off-the-shelf (COTS) (CAGE Code: 09641)
- CE-European Standard
- Radio Broadband/Antenna
- Solar/Wind Energy
- Ship Building
- Medical Diagnostics Equipment
- Wireless Communication
- Healthcare/Medical

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

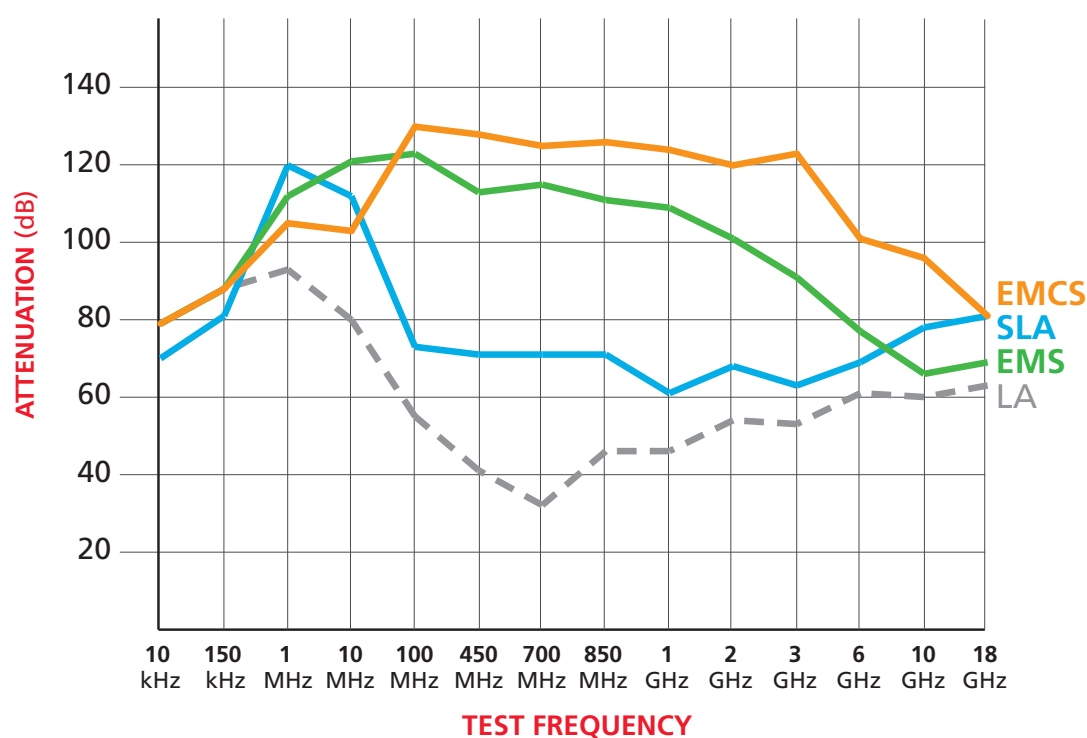
Shielded flexible conduits allow for greater versatility for wiring configurations and retrofiting than is experienced with shielded cable assemblies.

All three of these easy-to-install shielding conduits offer a “good-better-best” scenario as shown in the Shielding Effectiveness chart below. We use a combination of steel or bronze flexible cores coupled with a tinned copper braid to achieve not only the required EMI/RFI protection, but also the added protection from crushing, impact and abrasion. The outer jacketing material may be modified to accommodate a variety of environmental conditions, with materials ranging from standard PVC to halogen-free polyurethane to high/low temperature thermoplastics.



## Shielding Effectiveness

The graph below depicts a general comparative shielding effectiveness (attenuation in dBs) of all three types of SHIELD-FLEX conduit. The dotted line indicates a comparison to standard unshielded liquidtight flexible conduit Type LA. The spectrum of test frequency is from 10 kHz to 10 MHz Electric Field, to 100 MHz to 1 GHz Planewave Field and 2 GHz to 18 GHz Microwave Field. Tests were performed per MIL-STD-285 and in general accordance with IEEE 299. 1" trade size conduit was tested using standard liquidtight fittings from Thomas & Betts Series 5300. Results are based on controlled laboratory conditions and may vary in actual field installed conditions.





# TYPE EMS



Type EMS has an inner core that is made from a fully interlocked bronze strip and does not contain a braided shield. For a low-smoke, low flame spread, zero-halogen version, ask for HFEMS (p. 35).

## Construction:

### Inner Core:

- Bronze
- 3/8" – 4" Fully Interlocked Profile

### Liquidtight Jacket:

- Flexible PVC
- Resistant to Oils and Mild Acids
- Flame Retardant
- Sunlight Resistant (UV)

## Application:

- Accepts Standard Metallic Liquidtight Fittings
- Designed for wiring applications requiring shielding effectiveness from Electromagnetic and Radio Frequency Interference (EMI/RFI)

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



## Markets:

- Aerospace
- Cell Towers
- Defense
- Healthcare
- Renewable Energy
- Ship Building
- Telecommunications



Proudly made in the U.S.A.

## Product Information

### Certifications & Compliance



WEEE and RoHS Compliant



BS EN IEC 61386 Classification Code  
445340650314

ARRA Certification

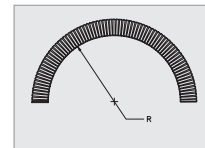
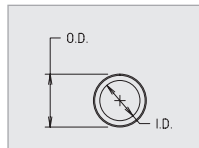
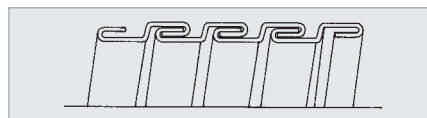
### Standard Colors

Gray. Other colors and jacketing materials available upon request

### Working Temperatures

-55°C to 105°C

### Interlock



| US Trade Size | ISO (MM) | CSA (MM) | Type   | INTERNAL DIAMETER |           | OUTER DIAMETER |           | INSIDE BEND RADIUS | WEIGHT | STANDARD LENGTH |               |            |               |
|---------------|----------|----------|--------|-------------------|-----------|----------------|-----------|--------------------|--------|-----------------|---------------|------------|---------------|
|               |          |          |        | Min (IN.)         | Max (IN.) | Min (IN.)      | Max (IN.) |                    |        | Carton (Ft.)    | Part # (Gray) | Reel (Ft.) | Part # (Gray) |
| 3/8"          | 16       | 12       | EMS-10 | 0.484             | 0.504     | 0.690          | 0.710     | 3.0                | 27     | 100             | 78801         | 1000       | 78804         |
| 1/2"          | 20       | 16       | EMS-11 | 0.622             | 0.642     | 0.820          | 0.840     | 3.0                | 35     | 100             | 78811         | 1000       | 78814         |
| 3/4"          | 25       | 21       | EMS-12 | 0.820             | 0.840     | 1.030          | 1.050     | 4.0                | 43     | 100             | 78822         | 500        | 78824         |
| 1"            | 32       | 27       | EMS-13 | 1.041             | 1.066     | 1.290          | 1.315     | 4.0                | 85     | 100             | 78832         | 400        | 78834         |
| 1 1/4"        | 40       | 35       | EMS-14 | 1.380             | 1.410     | 1.630          | 1.660     | 4.5                | 101    | 50              | 78842         | 200        | 78844         |
| 1 1/2"        | 50       | 41       | EMS-15 | 1.575             | 1.600     | 1.865          | 1.900     | 7.0                | 140    | 50              | 78852         | 150        | 78854         |
| 2"            | 63       | 53       | EMS-16 | 2.020             | 2.045     | 2.340          | 2.375     | 9.5                | 180    | 50              | 78862         | 100        | 78864         |
| 2 1/2"        | 70       | 63       | EMS-17 | 2.480             | 2.505     | 2.840          | 2.875     | 12.0               | 232    | 25              | 78872         |            |               |
| 3"            | 80       | 78       | EMS-18 | 3.070             | 3.100     | 3.460          | 3.500     | 13.5               | 320    | 25              | 78882         |            |               |
| 4"            | 100      | 103      | EMS-19 | 4.000             | 4.040     | 4.460          | 4.500     | 17.0               | 388    | 25              | 78892         |            |               |

# 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                                      |  |

## Dimensions

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

## Skids

| Standard Skid Quantities: 48" x 40" x 5" |                |                 |                         |                      |     |
|------------------------------------------|----------------|-----------------|-------------------------|----------------------|-----|
| Trade Size (in.)                         | Catalog Number | Flex<br>ABR, BR | Liquatite<br>EF, LA, LT | Nonmetallic<br>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.





# 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

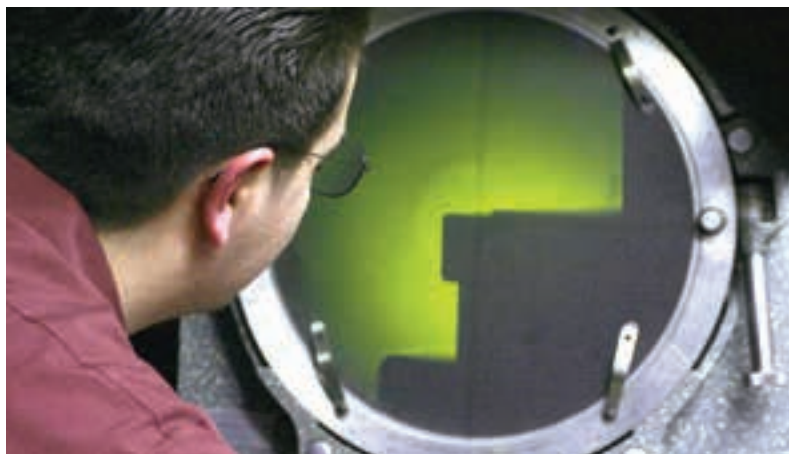
## STANDARD DIMENSIONS FOR LIQUIDTIGHT FLEXIBLE CONDUIT

| 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)

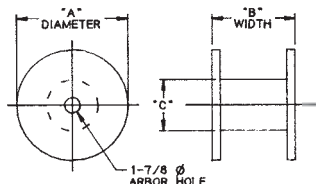
# REEL DIMENSIONS

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

| Trade Size (in.) | Type | 58"            | 42"            |           |        | 30"  |      |      |           |        | 32" Special |     |     | 24"       |        |                |
|------------------|------|----------------|----------------|-----------|--------|------|------|------|-----------|--------|-------------|-----|-----|-----------|--------|----------------|
|                  |      | LT<br>LA<br>EF | LT<br>LA<br>Ef | BR<br>ABR | LN-M-P | LT   | LA   | EF   | BR<br>ABR | LN-M-P | LT          | LA  | EF  | BR<br>ABR | LN-M-P | LT<br>LA<br>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         | 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 Louis 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

