

# Type SLA

Part of the **SHIELD-FLEX<sup>®</sup>** family of EMI/RFI Shielding conduits.

Type SLA is identical to standard UL Listed liquidtight flexible steel conduit (See Type LA) but is augmented with a tinned copper shielding braid located over the inner steel core and under its protective PVC jacket. The braid offers a minimum of 90% coverage.

For a low-smoke, low-flame spread, zero-halogen version, ask for **HFSLA**.

## Construction:

### Inner Core:

- Hot Dipped Galvanized Steel
- 3/8" – 1-1/4" Squarelock Profile with continuous bonding strip
- 1-1/2" – 2" Fully Interlocked Profile
- Shielded with a tinned copper braid

### Liquidtight Jacket:

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

## Application:

This conduit is intended for installation in accordance with Article 350 of the NEC (ANSI/NFPA-70)

- Suitable as an equipment grounding conductor per Article 250.118(6). Larger sizes require separate grounding conductor.
- Suitable for use in hazardous locations: Class I, Div. 2 and Classes II and III.
- Accepts Standard Metallic Liquidtight Fittings
- Designed for wiring applications requiring shielding effectiveness from Electromagnetic and Radio Frequency Interference (EMI/RFI)


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




All Products Proudly Made in the USA

## Product Information

### CERTIFICATIONS & COMPLIANCE

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

 **WEEE and RoHS Compliant**

 BS EN IEC 61386 Classification Code 444240650414 **CE**

#### Declaration

**ARRA:** For ARRA Certification Letter, please [click here](#)

### STANDARD COLORS

Black. **Other colors and jacketing materials available upon request**

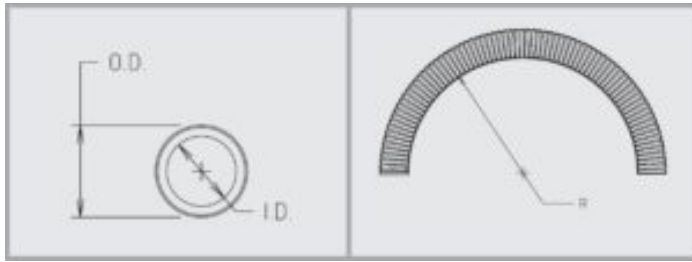
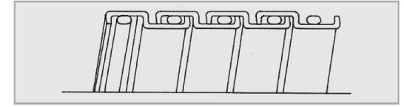
### WORKING TEMPERATURES:

-30°C to 80°C Dry / 60°C Wet / 70°C Oil

-22°F to 176°F Dry / 140°F Wet / 158°F Oil

# Markets:

Aerospace, Cell Towers, Data Centers, DataComm, Defense, Healthcare, Renewable Energy, Security, Ship Building, Telecommunications



Squarelock with Filler Sizes  
3/8" - 1-1/4"

## Product Table

	US Trade Size	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
	ISO (MM)	16	20	25	32	40	50	63
	CSA (MM)	12	16	21	27	35	41	53
	Type	SLA-10	SLA-11	SLA-12	SLA-13	SLA-14	SLA-15	SLA-16
Internal Diameter	Min (IN.)	0.484	0.622	0.820	1.041	1.380	1.575	2.020
	Max (IN.)	0.504	0.642	0.840	1.066	1.410	1.600	2.045
Outer Diameter	Min (IN.)	0.690	0.820	1.030	1.290	1.630	1.865	2.340
	Max (IN.)	0.710	0.840	1.050	1.315	1.660	1.900	2.375
Inside Bend Radius	Static (IN.)	2.0	3.0	4.2	5.5	7.0	4.5	6.0
Weight	Lbs. per 100 Ft	29	32	53	82	102	124	145
Standard Length	Carton (Ft.)	100	100	100	100	50	50	50
	Part # (black)	78901	78911	78921	78932	78942	78952	78962
	Reel (Ft.)	500	500	500	400	200	150	100
	Part # (black)	78903	78913	78924	78934	78944	78954	78964
	Reel (Ft.)	1000	1000					
	Part # (black)	78904	78914					

### related products



## Type EMS

Part of the SHIELD-FLEX® family of EMI/RFI Shielding conduits. Type EMS has an inner core that is made from a fully interlocked bronze strip and does not contain a braided shield.

[see product detail »](#)



## Type EMCS

Part of the SHIELD-FLEX® family of EMI/RFI Shielding conduits. Type EMCS is a hybrid of SLA and EMS. It utilizes the same bronze core and PVC jacket as EMS, but gets further screening protection from a tinned copper braid as found in the SLA product.

[see product detail »](#)



## Type HFSLA

Part of the SHIELD-FLEX® family of EMI/RFI Shielding conduits. Type HFSLA is identical to standard UL Listed liquidtight flexible steel conduit (See Type LA) but is augmented with a tinned copper shielding braid located over the inner steel core and under its protective Polyurethane jacket.

**[see product detail »](#)**