



Liquidtight Flexible Shielding Conduit

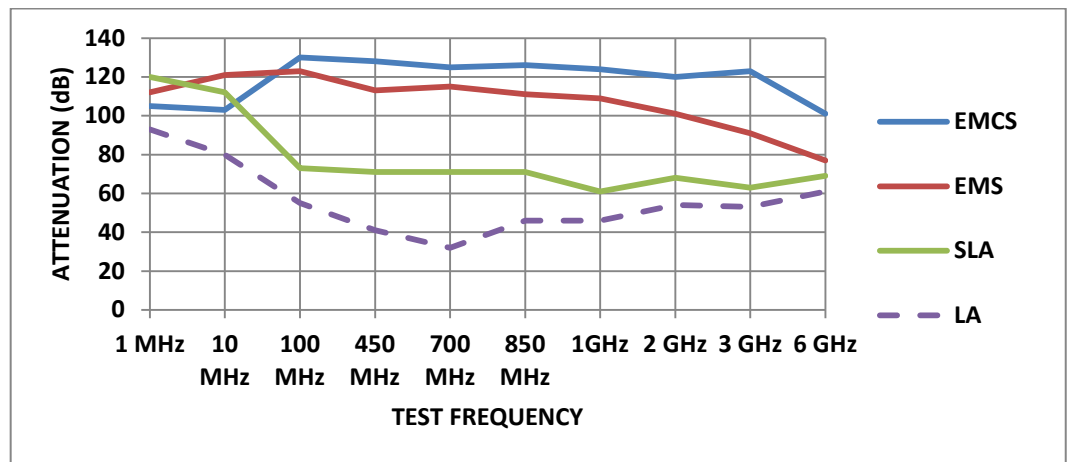
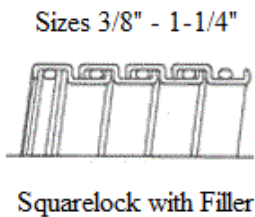
TYPE - SLA



Contact your local Sales Representative
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Trade Size	Type	Inside Bend Radius	Wt. (Lbs.)/100 Ft.	Carton Length	Footage Part #	Reel Length	Footage Part #	Length	Part #	List Price
3/8"	SLA -10	2.0"	29	100	78901	500	78903	1000	78904	
1/2"	SLA-11	3.0"	32	100	78911	500	78913	1000	78914	
3/4"	SLA -12	4.2"	53	100	78921	500	78924			
1"	SLA -13	5.5"	82	100	78932	400	78934			
1-1/4"	SLA-14	7.0"	102	50	78942	200	78944			
1-1/2"	SLA-15	4.5"	124	50	78952	150	78954			
2"	SLA-16	6.0"	145	50	78962	100	78964			

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 1 MHz to 10 MHz Electric Field, to 100 MHz to 1 GHz Planewave Field and 2 GHz to 6 GHz Microwave Field. Tests were performed per MIL-STD-285 on 1" trade size conduit using standard liquidtight fittings from Thomas & Betts Series 5300. Results are based on controlled laboratory conditions and may vary in actual field installed conditions.



See [Chart for Dimensions and Tolerances](#).

TYPE - SLA

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.


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

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

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(7).
- Suitable for use in hazardous locations: Class I, Div. 2 and Classes II and III.
- PVC jacket is resistant to a wide variety of oils, acids, alkaline and ultraviolet light.
- Accepts Standard Metallic Liquidtight Fittings

 Listed File # E29278. Conforms UL360 for liquidtight flexible steel conduit.

Tests Include:

[All RoHS and WEEE Compliant](#)

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

Flexibility: [See the Flexibility Comparison Guide](#)

Metal Used: Steel

Plastic Used: PVC [See the Chemical Resistance Guide](#)

High Mech. Strength	Listed For Direct Burial	Halogen Free	Low Fire Hazard	Accepts Standard Liquidtight Fittings	Self Extinguish	EMI/RFI Shielding	Oil Resistance	Acid Resistance
X	X			X	X	X	X	X