



Liquidtight Flexible Shielding Conduit

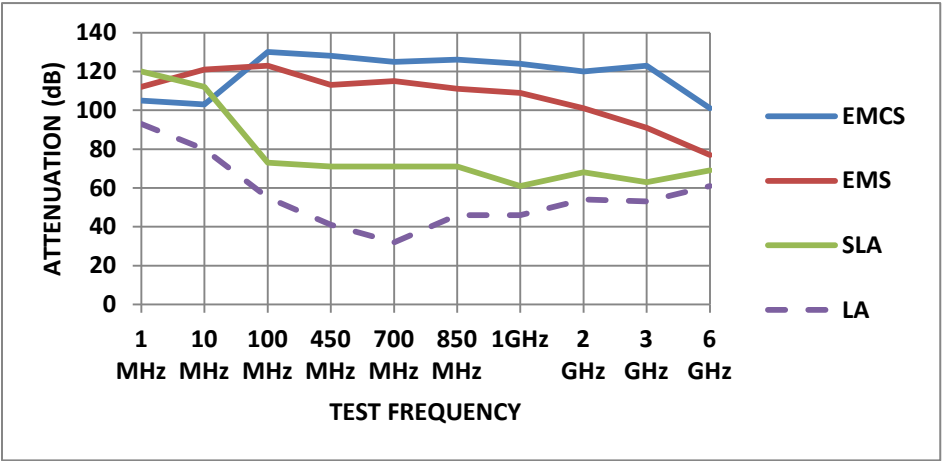
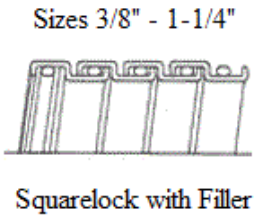
TYPE -
EMS



Contact your local Sales Representative
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				Carton	Footage	Reel	Footage	List Price
Trade Size	Type	Inside Bend Radius	Wt. (Lbs.)/ 100 Ft.	Length	Part #	Length	Part #	
3/8"	EMS-10	3.0"	27	100	78801	1000	78804	
1/2"	EMS-11	3.0"	35	100	78811	1000	78814	
3/4"	EMS-12	4.0"	43	100	78822	500	78824	
1"	EMS-13	4.0"	85	100	78832	400	78834	
1-1/4"	EMS-14	4.5"	101	50	78842	200	78844	
1-1/2"	EMS-15	7.0"	140	50	78852	150	78854	
2"	EMS-16	9.5"	180	50	78862	100	78864	
2-1/2"	EMS-17	12.0"	232	25	78872	-	-	
3"	EMS-18	13.5"	320	25	78882	-	-	
4"	EMS-19	17.0"	388	25	78892	-	-	

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 - EMS

Type EMS has an inner core that is made from a fully interlocked bronze strip and does not contain a braided shield. Accepts standard metallic liquidtight fittings

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

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

Tests Include:
[RoHS and WEEE Compliant](#)

STANDARD COLORS:
Gray. [Other colors and jacketing materials available upon request](#)

For UL and CSA version, consult factory

WORKING TEMPERATURES:
-55°C to 105°C

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

Metal Used: Bronze

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