



# Liquidtight Flexible Shielding Conduit

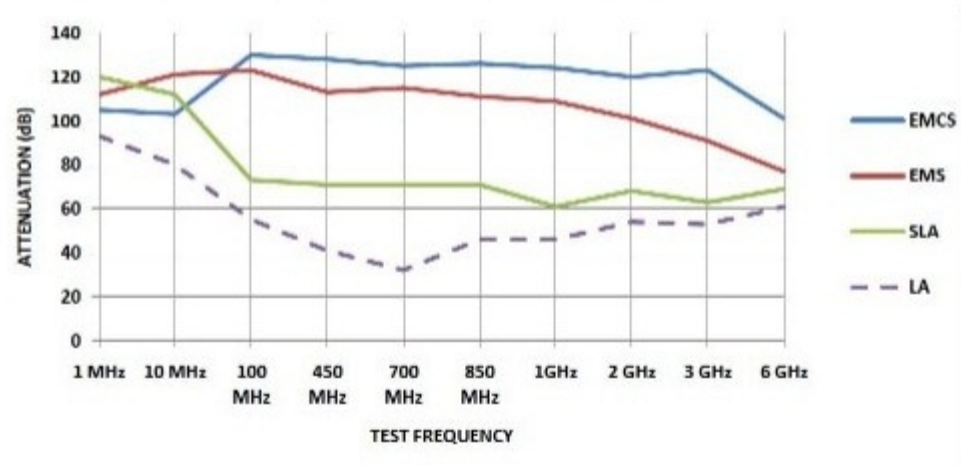
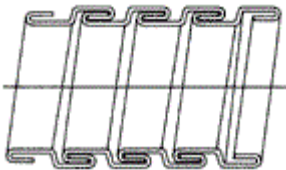
## TYPE - EMS



Trade Size	Type	Inside Bend Radius	Wt. (Lbs.)/ 100 Ft.	Carton Length	Footage Part #
3/8"	EMS-10	3.0"	27	50	78807
1/2"	EMS-11	3.0"	35	50	78817
3/4"	EMS-12	4.0"	43	50	78827
1"	EMS-13	4.0"	85	50	78837
1-1/4"	EMS-14	4.5"	101	50	78842
1-1/2"	EMS-15	7.0"	140	50	78852
2"	EMS-16	9.5"	180	50	78862
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 3500. Results are based on controlled laboratory conditions and may vary in actual field installed conditions.

Interlock



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™

**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