



Liquidtight Flexible Shielding Conduit

TYPE - EMCS

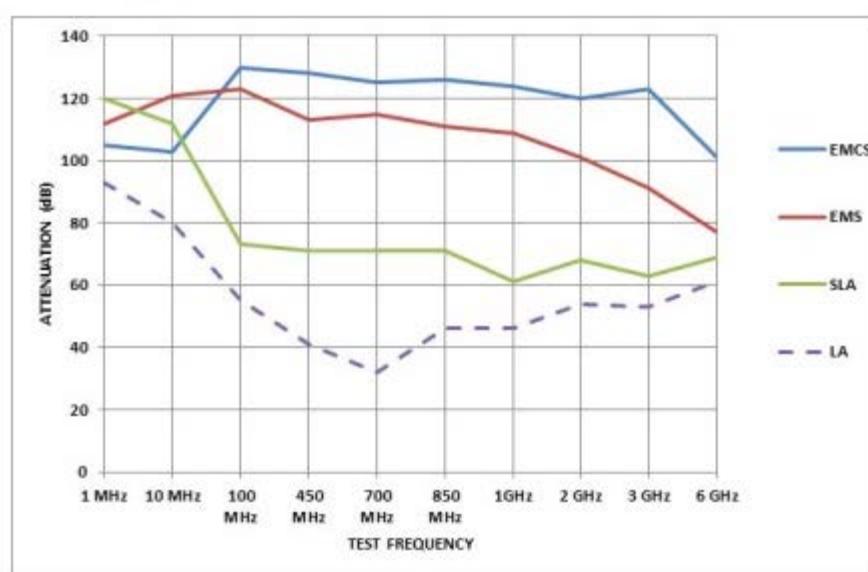
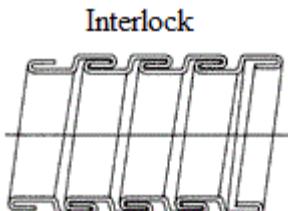


				Carton	Footage
Trade Size	Type	Inside Bend Radius	Wt. (Lbs.)/100 Ft.	Length	Part #
3/8"	EMCS-10	3.0"	27	50	78707
1/2"	EMCS-11	3.0"	35	50	78717
3/4"	EMCS-12	4.0"	43	50	78727
1"	EMCS-13	4.0"	85	50	78737
1-1/4"	EMCS-14	4.5"	101	50	78742
1-1/2"	EMCS-15	7.0"	140	50	78752
2"	EMCS-16	9.5"	180	50	78762

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 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 5500. Results are based on controlled laboratory conditions and may vary in actual field installed conditions.

TEST FREQUENCY CHART:



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

TYPE - EMCS

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. Accepts standard metallic liquidtight fittings.

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

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

Tests Include:

[RoHS](#) and [WEEE](#) Compliant

STANDARD COLORS:

Black. [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

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