

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.

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



All Products Proudly Made in the USA

Construction:

Inner Core:

- Bronze
- 3/8" – 4" Fully Interlocked Profile

Liquidtight Jacket:

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

Application:

- Accepts Standard Metallic Liquidtight Fittings
- Designed for wiring applications requiring shielding effectiveness from Electromagnetic and Radio Frequency Interference (EMI/RFI)

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

Markets:

Aerospace, Cell Towers, Defense, Healthcare, Renewable Energy, Ship Building, Telecommunications

Product Information

CERTIFICATIONS & COMPLIANCE



WEEE and RoHS Compliant



BS EN IEC 61386 Classification

Code 445340650314 **CE**

Declaration

ARRA: For ARRA Certification

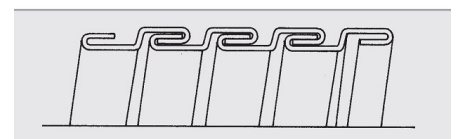
Letter, please [click here](#)

STANDARD COLORS

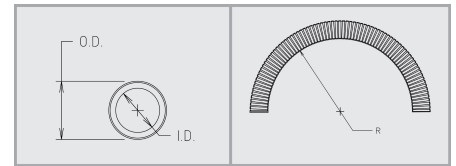
Gray. **Other colors and jacketing materials available upon request**

WORKING TEMPERATURES:

-55°C to 105°C



Interlock



Product Table

US Trade Size	ISO (MM)	CSA (MM)	Type	Internal Diameter		Outer Diameter		Inside Bend Radius	Weight Lbs. per 100 Ft	Standard Length			
				Min (IN.)	Max (IN.)	Min (IN.)	Max (IN.)	Static (IN.)		Carton (Ft.)	Part # (gray)	Reel (Ft.)	Part # (gray)
3/8"	16	12	EMS-10	0.484	0.504	0.690	0.710	3.0	27	100	78801	1000	78804
1/2"	20	16	EMS-11	0.622	0.642	0.820	0.840	3.0	35	100	78811	1000	78814
3/4"	25	21	EMS-12	0.820	0.840	1.030	1.050	4.0	43	100	78822	500	78824
1"	32	27	EMS-13	1.041	1.066	1.290	1.315	4.0	85	100	78832	400	78834
1 1/4"	40	35	EMS-14	1.380	1.410	1.630	1.660	4.5	101	50	78842	200	78844
1 1/2"	50	41	EMS-15	1.575	1.600	1.865	1.900	7.0	140	50	78852	150	78854
2"	63	53	EMS-16	2.020	2.045	2.340	2.375	9.5	180	50	78862	100	78864
2 1/2"	70	63	EMS-17	2.480	2.505	2.840	2.875	12.0	232	25	78872		
3"	80	78	EMS-18	3.070	3.100	3.460	3.500	13.5	320	25	78882		
4"	100	103	EMS-19	4.000	4.040	4.460	4.500	17.0	388	25	78892		

related products



Type SLA

Part of the SHIELD-FLEX® 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.



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 »](#)

[see product detail »](#)



Type HFEMS

Part of the SHIELD-FLEX® family of EMI/RFI Shielding conduits. Type HFEMS liquidtight flexible shielding conduit is designed for field installations where safety concerns exist regarding a material's reaction in a fire situation.

[see product detail »](#)