

# 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, DataComm, Defense, Healthcare, Renewable Energy, Security, 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](#)



BABA Compliant

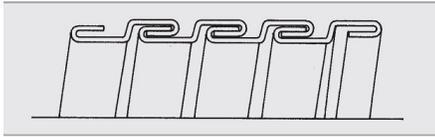
### STANDARD COLORS

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

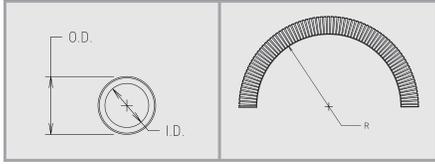
### WORKING TEMPERATURES:

-55°C to 105°C

-67°F to 221°F



## Interlock



## Product Table

US Trade Size	ISO (MM)	CSA (MM)	Type	Internal Diameter		Outside Diameter		Inside Bend Radius	Weight (Kgs) per 30 meters	Standard Length			
				Min (MM)	Max (MM)	Min (MM)	Max (MM)	Static (MM)		Carton (Mtrs)	Part # (gray)	Reel (Mtrs)	Part # (gray)
3/8"	16	12	EMS-10	12.3	12.8	17.5	18.0	76	12	30	78801	150	78804
1/2"	20	16	EMS-11	15.8	16.3	20.8	21.3	76	16	30	78811	150	78814
3/4"	25	21	EMS-12	20.8	21.3	26.2	26.7	102	20	30	78822	150	78824
1"	32	27	EMS-13	26.4	27.1	32.8	33.4	102	39	30	78832	120	78834
1 1/4"	40	35	EMS-14	35.1	35.8	41.4	42.2	114	46	15	78842	60	78844
1 1/2"	50	41	EMS-15	40.0	40.6	47.4	48.3	178	64	15	78852	45	78854
2"	63	53	EMS-16	51.3	51.9	59.4	60.3	241	82	15	78862	30	78864
2 1/2"	70	63	EMS-17	63.0	63.6	72.1	73.0	305	105	8	78872		
3"	80	78	EMS-18	78.0	78.7	87.9	88.9	343	145	8	78882		
4"	100	103	EMS-19	101.6	102.6	113.3	114.3	432	176	8	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.

[see product detail »](#)



## 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 »](#)



## 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 »](#)