

# 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.

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

## Construction:

### Inner Core:

- Bronze
- 3/8" – 2" Fully Interlocked Profile
- Shielded with a tinned copper braid

### 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, SLA, EMS, EMCS and HFEMCS 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



All Products Proudly Made in the USA

## Product Information

### CERTIFICATIONS & COMPLIANCE



**WEEE and RoHS Compliant**



BS EN IEC 61386 Classification

Code 445340650314 **CE**

**Declaration**

**ARRA:** For ARRA Certification

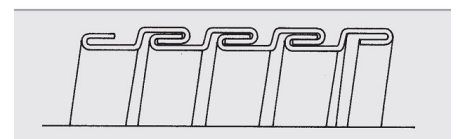
Letter, please [click here](#)

### STANDARD COLORS

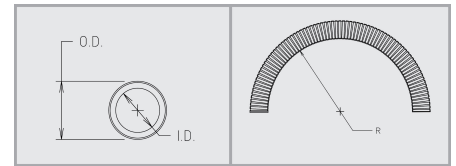
Black. **Other colors and jacketing materials available upon request**

### WORKING TEMPERATURES:

-55°C to 105°C



Interlock



## Product Table

US Trade Size	ISO (MM)	CSA (MM)	Type	Internal Diameter		Outside Diameter		Inside Bend Radius	Weight (Kgs) per 30 meters	Standard Length			
				Min (MM)	Max (MM)	Min (MM)	Max (MM)	Static (MM)		Carton (Ft.)	Part # (Black)	Reel (Ft.)	Part # (Black)
3/8"	16	12	EMCS-10	12.3	12.8	17.5	18.0	76	12	100	78701	500	78703
1/2"	20	16	EMCS-11	15.8	16.3	20.8	21.3	76	16	100	78711	500	78713
3/4"	25	21	EMCS-12	20.8	21.3	26.2	26.7	102	20	100	78722	500	78724
1"	32	27	EMCS-13	26.4	27.1	32.8	33.4	102	39	100	78732	400	78734
1 1/4"	40	35	EMCS-14	35.1	35.8	41.4	42.2	114	46	50	78742	200	78744
1 1/2"	50	41	EMCS-15	40.0	40.6	47.4	48.3	178	64	50	78752	150	78754
2"	63	53	EMCS-16	51.3	51.9	59.4	60.3	241	82	50	78762	100	78764

### 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 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.

[see product detail »](#)



## Type HFEMCS

Part of the SHIELD-FLEX® family of EMI/RFI Shielding conduits. Type HFEMCS is a hybrid of HFSLA and HFEMS. It utilizes the same bronze core and Polyurethane jacket as HFEMS, but gets further screening protection from a tinned copper braid as found in the HFSLA product.

[see product detail »](#)