Type HFEMCS

Part of the SHIELD-FLEX® family of EMI/RFI Shielding conduits, as well as Zero-Halogen product family.

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.

All Products Proudly Made in the USA

Type HFEMCS liquidtight flexible shielding conduit is designed for field installations where safety concerns exist regarding a material's reaction in a fire situation. The specially formulated thermoplastic polyurethane jacket has excellent flame retardancy and low smoke characteristics. Acidic gases such as hydrogen chloride, hydrogen fluoride and hydrogen bromide are virtually eliminated as products of combustion.

Construction:

Inner Core:

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

Liquidtight Jacket:

- Low Smoke Zero-Halogen Thermoplastic
- Resistant to Ozone, Hydrocarbons, Moderate Chemicals and Oils
- Flame Retardant
- Low Smoke
- Low Toxicity
- Sunlight Resistant (UV)

Application:

- Meets ASTM E162 for Flame Spread
- Meets the requirements of Bombardier SMP 800-C for Toxic Gas Generation.
- Meets the requirements of ASTM E662 for Smoke Generation
- Accepts Standard Metallic Liquidtight Fittings
- Designed for wiring applications requiring shielding effectiveness from Electromagnetic and Radio Frequency Interference (EMI/RFI)

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

Product Information

CERTIFICATIONS & COMPLIANCE

WEEE and RoHS Compliant

BS EN IEC 61386 Classification Code 445240650414 **CE Declaration**

ARRA: For ARRA Certification Letter, please click here

BABA Compliant

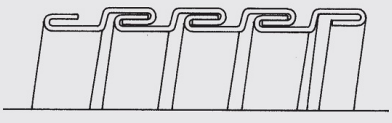
STANDARD COLORS

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

WORKING TEMPERATURES:

-20°C to 105°C

-4°F to 221°F



Combustion & Flammability Properties

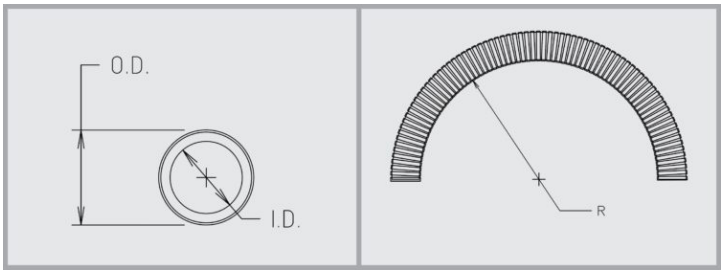
Interlock

COMBUSTION & FLAMMABILITY	TEST
Vertical Burn (Material)	UL94 (V-0)
Vertical Burn (Conduit)	UL360
Oxygen Index %	D2863
Flame Spread Index	ASTM E162
Smoke Generation (Flaming)	ASTM E662 (NFPA 258)
Smoke Generation (Non-Flaming)	ASTM E662 (NFPA 258)
Toxic Gas Generation	BOMBARDIER SMP 800-C
Toxicity Index	NES 713

** Test data is based on controlled laboratory conditions and does not necessarily reflect performance in actual fire conditions. Additional product information available upon request.*

Markets:

Aerospace, DataComm, Defense, Healthcare, Ship Building, Telecommunications



Product Table

				Internal Diameter		Outside Diameter		Inside Bend Radius	Weight	Standard Length			
US Trade Size	ISO (MM)	CSA (MM)	Type	Min (MM)	Max (MM)	Min (MM)	Max (MM)	Static (MM)	(Kgs) per 30 meters	Carton (Mtrs)	Part # (black)	Reel (Mtrs)	Part # (black)
3/8"	16	12	HFEMCS-10	12.3	12.8	17.5	18.0	51	12	30	86001	150	86003
1/2"	20	16	HFEMCS-11	15.8	16.3	20.8	21.3	83	16	30	86101	150	86103
3/4"	25	21	HFEMCS-12	20.8	21.3	26.2	26.7	108	20	30	86201	150	86204
1"	32	27	HFEMCS-13	26.4	27.1	32.8	33.4	165	39	30	86302	120	86304
1 1/4"	40	35	HFEMCS-14	35.1	35.8	41.4	42.2	203	46	15	86402	60	86404
1 1/2"	50	41	HFEMCS-15	40.0	40.6	47.4	48.3	229	64	15	86502	45	86504
2"	63	53	HFEMCS-16	51.3	51.9	59.4	60.3	279	82	15	86602	30	86604

related products

Type HFSLA

Part of the SHIELD-FLEX® family of EMI/RFI Shielding conduits. Type HFSLA 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 Low Smoke Zero-Halogen Thermoplastic jacket.

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. Its jacketing is made of a protective Low Smoke Zero-Halogen Thermoplastic.

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 ZHLA

Non-halogen, low smoke and low flame spread make Type ZHLA a proven choice for applications where limiting toxic materials of combustion are an important issue. Since ZHLA is also UL listed, it is ideal for field installation in confined, public areas such as subways, tunnels, etc.

see product detail »