



Liquidtight Flexible Shielding Conduit

TYPE - HFEMS



Trade Size	Type	Inside Bend Radius	Wt. (Lbs.)/ 100 Ft.	Carton Length	Footage Part #
3/8"	HFEMS-10	3.0"	27	50	78207
1/2"	HFEMS-11	3.0"	35	50	78217
3/4"	HFEMS-12	4.0"	43	50	78227
1"	HFEMS-13	4.0"	85	50	78237
1-1/4"	HFEMS-14	4.5"	101	50	78242
1-1/2"	HFEMS-15	7.0"	140	50	78252
2"	HFEMS-16	9.5"	180	50	78262
2-1/2"	HFEMS-17	12.0"	232	25	78272
3"	HFEMS-18	13.5"	320	25	78282
4"	HFEMS-19	17.0"	388	25	78292

Interlock



COMBUSTION & FLAMMABILITY PROPERTIES

*Combustion & Flammability Properties:	Test	Value
Vertical Burn (Material)	UL94	V-0 Rating No Flaming Drips
Vertical Burn (Conduit)	UL360	Pass No Flaming Drips
Oxygen Index %	D2863	28.5
Flame Spread Index	ASTM E162	20; No Flaming Drips
Flame Propagation	ASTM C542 (NFPA-130)	Pass No Flaming Drips
Smoke Generation (Flaming)	ASTM E662 (NFPA 258)	Ds 50@1.5 Min/ Ds 102@4.0 Min

Smoke Generation (Non-Flaming)	ASTM E662 (NFPA258)	Ds 5@1.5 Min/ Ds 26@4.0 Min
Toxic Gas Generation	BOMBARDIER SMP 800-C	Pass
Toxicity Index	NES 713	3.9

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

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

TYPE - HFEMS

Type HFEMS™ has an inner core that is made from a fully interlocked bronze strip and does not contain a braided shield. An all-temperature Polyurethane jacket is extruded over the core, resulting in a sealed, waterproof raceway when assembled with liquidtight fittings.

Type HFEMS™ 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.

Tests Include:

[WEEE and RoHS Compliant](#)

STANDARD COLORS:

Gray and Black. [Other colors and jacketing materials available upon request](#)

For UL and CSA version, consult factory

WORKING TEMPERATURES:

-40°C to 80°C

Flexibility: [See the Flexibility Comparison Guide](#)

Metal Used: Bronze

Plastic Used: PU [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	X	X

