# Liquidtight Flexible Shielding Conduit



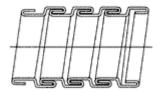






|               |          |                          |                           | Carton | Footage |  |
|---------------|----------|--------------------------|---------------------------|--------|---------|--|
| Trade<br>Size | Туре     | Inside<br>Bend<br>Radius | Wt.<br>(Lbs.)/<br>100 Ft. | Length | 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<br>No Flaming Drips   |  |
| Vertical Burn (Conduit)                | UL360                   | Pass<br>No Flaming Drips         |  |
| Oxygen Index %                         | D2863                   | 28.5                             |  |
| Flame Spread Index                     | ASTM E162               | 20;<br>No Flaming Drips          |  |
| Flame Propagation                      | ASTM C542<br>(NFPA-130) | Pass<br>No Flaming Drips         |  |
| Smoke Generation (Flaming)             | ASTM E662<br>(NFPA 258) | Ds 50@1.5 Min/<br>Ds 102@4.0 Min |  |
|  |                         |                                  |  |

| Smoke Generation (Non-Flaming) |                      | Ds 5@1.5 Min/<br>Ds 26@4.0 Min |  |
|--------------------------------|----------------------|--------------------------------|--|
| Toxic Gas Generation           | BOMBARDIER SMP 800-C | Pass                           |  |
| Toxicity Index                 | NES 713              | 3.9                            |  |
|                                | jc                   |                                |  |

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

See Chart for Dimensions and Tolerances.

#### **TYPE - HFEMS**

Type HFEMS<sup>™</sup> 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<sup>™</sup> 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 | l <u> </u> | Halogen |   | Accepts<br>Standard<br>Liquidtight<br>Fittings | Self<br>Extinquish | EMI/RFI<br>Shielding | Oil<br>Resistance | Acid<br>Resistance |
|------|------------|---------|---|--|--------------------|----------------------|-------------------|--------------------|
|      |            | X       | X | X  | X                  | X                    | X                 | X                  |

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