

# LM4

- LM4 is 100% woven Polyester.
- BFM® LM4 connectors are predominantly used in applications where air needs to be vented through the walls of the flexible connector
- Used for higher temperature environments (up to 130°C/266°F)



## PHYSICAL PROPERTIES:

|                                                                                                                              |                                                 |
|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| Fibre                                                                                                                        | 100% Polyester                                  |
| Colour                                                                                                                       | White                                           |
| Construction/Finish                                                                                                          | Multi-filament plain weave, calendered          |
| Weight                                                                                                                       | 393 g/m <sup>2</sup><br>11.6 oz/yd <sup>2</sup> |
| Max. Operating Temp                                                                                                          | 130°C / 266°F                                   |
| Max. Surge Temp                                                                                                              | 150°C / 302°F                                   |
| Low Temp/Flexibility                                                                                                         | Good                                            |
| Surface Resistivity (Ohms)<br><small>(Test Standard ASTM D-257)</small>                                                      | 10 <sup>9</sup>                                 |
| Minimum Tensile Strength<br>measured as a force over a<br>25mm wide Ravel Strip<br><small>(Test Standard: ASTM 5034)</small> | Fabric<br>Warp 293) kgf/25mm<br>Weft 230)       |
| Air Permeability                                                                                                             |                                                 |
| <small>(cm<sup>3</sup>/cm<sup>2</sup>/sec@125Pa)</small>                                                                     | 0.4                                             |
| <small>(ft<sup>3</sup>/ft<sup>2</sup>/min@0.5" wg)</small>                                                                   | 0.8                                             |
| <small>(cm<sup>3</sup>/cm<sup>2</sup>/sec@200Pa)</small>                                                                     | 0.5                                             |
| <small>(ft<sup>3</sup>/ft<sup>2</sup>/min@0.8" wg)</small>                                                                   | 1.1                                             |

## AVAILABLE SIZES: (In 50mm (2") increments)

|                                                         |                                           |
|---------------------------------------------------------|-------------------------------------------|
| Diameter<br><small>(also available in 125mm/5")</small> | Ø100mm - 1,650mm<br>(Ø4" - 65")           |
| Length                                                  | 80mm, 100mm - 1,500mm<br>(3", 4" to 59½") |

(Size range is in mm, so inch conversions are approximate only. Restrictions apply for larger diameters, or when anti-collapse rings or TR versions used. Refer to 'Connector Sizes' for more information)

## COMPLIANCE:

Atex Compliant: IBExU tested. Can be used in all dust & gas explosion hazardous areas (restrictions apply).

Complies with the following regulations:  
FDA 21 CFR 177.2800, (EC) 1935/2004, 2023/2006 & 10/2011