of the round gasket or a portion of the cable may get pinched in the seam between the two shells, thereby opening a gap in the seam that allows EMI to escape the housing. In addition, the cost of installing round gaskets around the cable may be prohibitive. A need remains for a connector module that can provide better and more economical containment of EMI than prior art devices.

[0005] Embodiments of the present invention seek to solve this problem by providing a connector module according to claim 1.

[0006] According to an aspect of the invention, a connector module comprises a housing defined by a first shell and a second shell that mate at a seam. An interior chamber within the housing is formed between the first and second shells. The housing includes a cable exit region extending along a cable axis, and an inner surface of the cable exit region defines a passage from a cable opening to the interior chamber. The inner surface is curved such that the passage has an elliptical cross-section along a plane perpendicular to the cable axis. A gasket is disposed within the passage. The gasket extends along the cable axis between a front and a rear. An outer perimeter of the gasket in an uncompressed state has a non-elliptical cross-section along a plane perpendicular to the cable axis. The gasket has an outer side engaging the inner surface of the cable exit region and an inner side configured to engage at least one cable received within the cable exit region. As the first shell and the second shell are mated, the gasket is sandwiched in a compressed state between the at least one cable and the inner surface, and the outer side of the gasket conforms to the inner surface to at least partially seal the passage between the at least one cable and the cable exit region.

[0007] The invention will now be described by way of example with reference to the accompanying drawings wherein:

[0008] Figure 1 is a side cross-sectional view of an electrical system in accordance with an embodiment.

[0009] Figure 2 is an exploded perspective view of a connector module of the electrical system according to an exemplary embodiment.

[0010] Figure 3 is a rear view of a lower shell of the connector module according to an exemplary embodiment.