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(54) Title: CLOSURE WITH CABLE STRAIN RELIEF

(57) Abstract

A closure with improved cable strain relief (18), having a body with a closed end and an open end, a tubular base (14) having first and second ends with the open end of the body releasably secured to the first end of the base, and a strain relief member (18) attached to the second end of the base. The strain relief member is composed entirely of non-metallic components, and includes a plate having cutouts therein forming cable ports, each of the cutouts having a wall and an inner surface along the wall, there being a plurality of gripping teeth (36) along each inner surface, and each wall having at least one channel therein with entry and exit slots. A cable tie securing a cable in one of the cutouts is threaded through the channel, extending out the entry and exit slots. The plate advantageously has a plurality of outer surfaces shaped to fit snugly with an inner surface of the second end of the base, and flanges (40) located at each outer surface for attachment to an edge of the second end of the base. A mounting fixture (104) may be attached to the plate, adapted to receive an optical fiber storage tray or other support member such as a terminal block. The plate, wall, mounting fixture and flanges may be integrally formed of an injection-moldable, thermoplastic polymer.

