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(54) Title: SEGMENTED END SEAL FOR A CLOSURE SUCH AS SPLICE CASE

(57) Abstract

An end seal (10) is provided for sealing the space between at least one cable and a closure such as a splice case. The end seal (10) includes a centrally located support structure (20) having a plurality of radially extending members (40, 42, 46) each defined by spaced, opposing end faces (21) and an outer peripheral surface. Each of the radially extending members (40, 42, 46) has first and second mating surfaces and a notch located in the first and second mating surfaces. The first and second mating surfaces are connected to, and extend between, the end faces of their respective radially extending members. The end seal (10) also includes a plurality of segments (22a, 22b, 22c) having spaced, opposing end faces. The plurality of segments each interlock with the support structure (20) so that each of the end faces of the segments extend in a common plane with one of the end faces of the support structure. Each segment (22a, 22b, 22c) includes an outer peripheral surface and first and second end surfaces connected to and extending between the end faces of the segment. The first and second end surfaces have first and second tabs (37a, 39a) extending respectively therefrom. The first and second tabs (37a, 39a) are insertable in first and second ones of the notches (52, 54) respectively located in adjacent ones of the radially extending members of the support structure (20). The first and second notches (52, 54), respectively, in a prescribed sequence so that the segment (22a) interlocks with the support structure (20). At least one aperture (25a) extends between the opposing end faces for receiving a cable. The aperture (25a) is formed, at least in part, from a semicylindrical surface located in one of the segments (22a).

