

Title of Invention: RETICULATED TUBE, OPTICAL FIBER PROTECTIVE UNIT, METHOD FOR PROTECTING OPTICAL FIBER, AND METHOD FOR MANUFACTURING RETICULATED TUBE

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ABSTRACT

[Problem] It is necessary to protect a plurality of optical fibers when the optical fibers are laid. In a case of the protective tube and a spiral tube, work for inserting optical fibers takes time and effort. In a case of a braided tube (tube constituted by braiding a wire), the amount of extension and contraction in a longitudinal direction is small, and thus there is a problem that work for inserting optical fibers also takes time and effort in this case. In addition, when optical fibers are inserted through the braided tube having the diameter changed during extension and contraction, a diameter becomes thin when the braided tube is extended in the longitudinal direction. Thus, there is also a problem that pressure is applied to the optical fibers inserted through the inside, and a transmission loss of the optical fibers increases.

[Solution] A reticulated tube of this disclosure includes openings reticulately formed, and the reticulated tube is configured to be inserted with a plurality of optical fibers through the reticulated tube. The reticulated tube includes: peripheral parts that form the openings; and a branch part that is formed in a boundary of three or more openings, the branch part including three or more peripheral parts extending from the branch part, wherein the peripheral parts are restricted by the branch part and are bendable.

Figures 1A & 1B.