

COMPACT PROTECTIVE CABLE CONDUIT FOR CLEAN ROOM APPLICATIONS, AND
ENCASING UNIT AND ARRANGEMENT WITH SUPPORT CHAIN FOR SAME

ABSTRACT

The invention proposes a protective cable conduit (900) for lines, such as cables, in a clean room application, with a flexible encasement (901A) which is movable back and forth for routing a line. Each receptacle (1002) extends in channel-like fashion from a first end to a second end. The encasement comprises at least one encasing unit (1001), which forms the at least one receptacle (1002) for a line. The encasing unit (1001) has a first fastening strip (1020) on one longitudinal side and a second fastening strip (1021) on the other longitudinal side. According to the invention, the first and the second fastening strip (1020, 1021) are designed for releasable connection by interlocking engagement and/or frictional engagement, for example with a cooperating hook profile (1025) and claw profile (1022), and are connectable to one another in a connection direction (N) transverse to the longitudinal direction (L). A plurality of encasing units (1001) can thus be fastened to one another releasably using mating fastening strips (1020, 1021) by connecting the fastening strips in a connection direction (N) transverse to the longitudinal direction. The invention also relates to an arrangement (900) of a protective cable conduit with support chains (135), wherein each support chain (135) is routed in an associated encasing unit (901B) which accommodates only the associated support chain(s) (135), such that this is replaceable separately from lines routed in the encasement (901A).

[Figure 1A, Figure 1B]