

Apparatus for a connection point between two
electrical high-voltage cables

Abstract

An apparatus is provided for a connection point between a paper-insulated electrical high-voltage cable, which is impregnated with an insulating medium which can flow, and a plastic-insulated electrical high-voltage cable, in which an end termination, which is surrounded by a pressure-resistant partition isolator (12), is provided at the end of the paper-insulated high-voltage cable, and in which the connection point of the conductors of the two high-voltage cables is surrounded by electrical screening elements and a sleeve body (18). The sleeve body (18) is in the form of an elongated, integral component composed of elastic insulating material with an aperture hole for holding the two high-voltage cables (3, 4), and the sleeve body (18) is equipped at its two axial ends, which are intended to hold the high-voltage cables (3, 4), with electrical control funnels (21, 22) which, in the fitted position, rest on electrically conductive layers of the two high-voltage cables (3, 4). The internal diameters of the aperture hole in the sleeve body (18) at its two axial ends which are equipped with the control funnels (21, 22) are of different defined sizes, in order to hold the two high-voltage cables (3, 4), whose external diameters differ by at least 10 mm in the contact areas of the sleeve body (18), matched to these different external diameters.

Figure 2