

he proposed power cable contains several twisted conductors, each of which is coated with a layer of impregnated-paper insulation, and a layer of belt insulation. The cable conductors, together with the belt insulation, are enclosed by a metallic sheath filled with liquid dielectric material. The metallic sheet is coated with a bitumen layer, a paper layer, and a polymer film or a layer of incombustible material. The coating is covered with a braiding made from two spirally wound metallic strips. The winds of the first strip are arranged with a gap equal to 33 ... 50 % of the spiral pitch. The winds of the second strip are arranged between the winds of the first strip. The density of the liquid, filling the cable sheath, is sufficient for the possibility to use the cable at any difference between the end parts of the cable.