

Title (en)

Coil type high-voltage resistive cable for preventing noise

Title (de)

Hochspannungswiderstandskabel vom Spulentyp zur Unterdrückung von Rauschem

Title (fr)

Câble résistive à haute tension du type à bobine pour supprimer le bruit

Publication

EP 0655750 B1 19980812 (EN)

Application

EP 94118130 A 19941117

Priority

JP 29561193 A 19931125

Abstract (en)

[origin: EP0655750A2] [Object] To improve the dielectric strength and prevent a reduction in the noise preventing performance in a thin coil type high-voltage resistive cable having an outer diameter of 5 mm. [Construction] A rubber layer (12) is formed around the outer circumferential surface of a core (11) made of reinforced fibers by applying a coating material obtained by mixing fluororubber and ferrite powder. A resistance wire (13) is wound around an outer circumferential surface of the rubber layer (12) in an direction normal to the longitudinal axis of the core (11), thereby obtaining a conductor (20) having an outer diameter of 0.6 mm or smaller. A partially conductive inner conductor layer (15) is formed around the outer circumferential surface of the conductor (20) and a resin layer (16), a net (17) and a sheath (18) are formed around the inner conductor layer (15) one over another, such that the obtained resistive cable has an outer diameter of 5 mm or smaller. The rubber layer (12) is formed of mixture obtained by mixing 400 parts by weight of ferrite powder to 100 parts by weight of fluororubber, and the inner conductor layer 15 is formed of partially conductive polyolefin resin by means of extrusion. <IMAGE>

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