

Title (en)

MULTI-CONDUCTOR CABLE FOR THE TRANSMISSION OF ALTERNATING CURRENTS WITH A SQUARE-WAVE PROFILE

Title (de)

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Title (fr)

CABLE MULTICONDUCTEUR POUR LA TRANSMISSION DE COURANTS ALTERNATIFS DE FORME RECTANGULAIRE

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Application

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Abstract (en)

[origin: WO2007054325A1] A multi-conductor cable is provided for the transmission of alternating currents with an at least approximately square-wave profile, which multi-conductor cable has single-conductor electrical cables (9) which are twisted to form a two-conductor or four-conductor cable. These single-conductor electrical cables (9) each have a fine-wire, flexible inner conductor (1) and a fine-wire mating conductor (4), which is arranged concentrically around the inner conductor (1) and is formed from a number of individual conductors. In each case one insulation system (2, 3; 6, 7) is provided between the inner conductor (1) and the mating conductor (4) and, respectively, so as to surround said inner conductor and said mating conductor. Advantages therefore result from the respective coaxial design of this multi-conductor cable, in which the respective inner conductor and mating conductor advantageously have precisely the same conductance. Best-possible compensation of emitting fields is thus achieved.

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