

Title (en)

CRUSH RESISTANT CONDUCTOR INSULATION

Title (de)

STAUCHFESTE LEITERISOLIERUNG

Title (fr)

ISOLATION DE CONDUCTEUR RÉSISTANT À L'ÉCRASEMENT

Publication

EP 2255364 A1 20101201 (EN)

Application

EP 09721438 A 20090316

Priority

- US 2009037213 W 20090316
- US 3705508 P 20080317
- US 3719208 P 20080317

Abstract (en)

[origin: WO2009117331A1] A process of twinning a pair of polymer-insulated conductors to form a twisted pair, where the polymer-insulated conductors are formed by extruding a uniformly thick coating of polymer onto the conductors. More than one twisted pair is encased in a polymer jacket forming a cable. The twisted pair obtains a desirable average impedance performance using a reduced amount by weight of polymer forming said polymer-insulated conductors by: (i) extruding to form longitudinally running peaks and valleys in the exterior surface of each of the polymer-insulated conductors of the pair of polymer-insulated conductors and (ii) twinning resultant polymer-insulated conductors to nest at least one of the peaks in the exterior surface of one of the polymer-insulated conductors in at least one of said valleys in the exterior surface of the other of the polymer-insulated conductors of the pair of polymer-insulated conductors.

IPC 8 full level

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CPC (source: EP)

H01B 7/0275 (2013.01); **H01B 13/142** (2013.01); **H01B 13/143** (2013.01); **H01B 7/0233** (2013.01)

Citation (search report)

See references of WO 2009117331A1

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