

Title (en)
INSULATED WIRE

Title (de)
ISOLIERTER DRAHT

Title (fr)
FIL ISOLÉ

Publication
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Application
EP 17176008 A 20170614

Priority
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Abstract (en)
[origin: EP3340257A1] An insulated wire comprises a conductor and a cover layer arranged around the conductor. The cover layer comprises a laminated structure formed by laminating an inner flame-retardant layer, a high-electrical insulating layer and an outer flame-retardant layer. The inner flame-retardant layer is arranged around the conductor and comprises a polymer composition (A) comprising a flame retardant. The high-electrical insulating layer is arranged around the inner flame-retardant layer and comprises a polymer composition (B) having a volume resistivity of not less than $1 \times 10^{16} \text{ } \Omega \cdot \text{cm}$. The outer flame-retardant layer is arranged around the high-electrical insulating layer and comprises a polymer composition (C) comprising a flame retardant. The high-electrical insulating layer receives not less than 80% of voltage applied in a thickness direction of the laminated structure. The thickness of the high-electrical insulating layer is smaller than at least one of the thickness of the inner flame-retardant layer and the thickness of the outer flame-retardant layer.

IPC 8 full level
H01B 7/295 (2006.01)

CPC (source: CN EP)
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