

Title (en)  
OVERHEAD CABLE WITH TENSION MEMBERS

Publication  
**EP 0054784 B1 19850410 (DE)**

Application  
**EP 81110134 A 19811204**

Priority  
CH 937480 A 19801219

Abstract (en)  
[origin: ES8303800A1] In known overhead telephone cables comprising two individual encased and stranded conductors, each consisting of a plurality of copper wires for the transmission of signals, and steel wires for load bearing purposes, the problem of relatively high susceptibility to corrosion at leakage points in the casing due to water penetration is solved by replacing the steel wires with bundles of stretch-resistant synthetic fibres, e.g. aromatic polyamide fibres, and the tendency of spirally wound synthetic fibres, or bundles of fibres, to shift towards the center of the conductor when the cable is under tension, and thus allow the cable to elongate is prevented by arranging the copper wires and bundles of fibres so that they position themselves mutually. The coherency of the bundles of fibres required for this purpose may be obtained, for example, by stranding or twisting the fibres in the bundle or impregnating the bundle with a resin, preferably colophony.

IPC 1-7  
**H01B 7/18**

IPC 8 full level  
**H01B 7/08** (2006.01); **H01B 7/18** (2006.01)

CPC (source: EP US)  
**H01B 7/0823** (2013.01 - EP US); **H01B 7/1825** (2013.01 - EP US)

Cited by  
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