Title (en)

Twisted flat cable

Title (de)

Verdrilltes Flachkabel

Title (fr)

Câble plat torsadé

Publication

EP 0734030 A1 19960925 (EN)

Application

EP 96610009 A 19960321

Priority

NO 951104 A 19950322

Abstract (en)

A power cable for carrying heavy current is shaped as a flat cable (10) which can be folded together and retained as a substantially round cable. The cable is made of an insulating plastic material, in which a plurality of parallel, solid, electric conductors (12) are embedded at regular intervals. The cable according to the invention is characterised in that during the manufacturing process the cable is subjected to a deformation in such a manner that the flat cable has assumed the shape of a cylindrical spiral, and in such a manner that each of the solid conductors of the cable follows a cylindrical, helical course, where said deformation assists in maintaining a helical shape. The resulting cable (10) can be maintained in the coiled state by the spiralling while it is installed in a building. When a piercing module is to be mounted on the cable, the portion of the cable to be inside the piercing module is flattened by unfolding the spiralling. <IMAGE>

IPC 1-7

H01B 7/08; H01B 7/00; H01B 9/00

IPC 8 full level

H01B 7/08 (2006.01)

CPC (source: EP)

H01B 7/0892 (2013.01)

Citation (search report)

- [A] US 3609216 A 19710928 - COPP ALBERT R
- [A] US 4767891 A 19880830 - BIEGON ROBERT J [US], et al
- [A] US 4992625 A 19910212 - IZUI ISAO [JP], et al
- [A] EP 0642138 A1 19950308 - SCHNEIDER ELECTRIC SA [FR]
- [A] CH 543800 A 19731031 - SPRECHER & SCHUH AG [CH]

Cited by

EP0961298A1; EP0855721A1; FR2758892A1; EP2070094A4; CN110781563A; US6173101B1; WO0024009A1

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