

Title (en)  
Multiconductor electrical cable

Title (de)  
Elektrisches mehradriges Kabel

Title (fr)  
Câble électrique multiconducteur

Publication  
**EP 0880147 A1 19981125 (EN)**

Application  
**EP 98301355 A 19980225**

Priority  
US 85840897 A 19970519

Abstract (en)  
A multiconductor electrical cable for use in a subterranean wellbore comprises a plurality of electrical conductors (28) with at least one of the electrical conductors sheathed in at least one inner layer (32) of a semi-conductive material, and at least one layer (34) of an insulating material. A jacket (36) of elastomeric material surrounds the plurality of electrical conductors, and an outer metal armour (38) covers the jacket of elastomeric material. The semi-conductive material (32) has electrical properties to reduce voltage stress between an outer surface of the electrical conductor (28) and an inner surface of the insulating material (34). The resulting cable has increased resistance to electrical failure when operating at voltages of about 8 kV or more within a subterranean wellbore. <IMAGE>

IPC 1-7  
**H01B 9/02**; **H01B 7/28**; **H01B 7/18**

IPC 8 full level  
**H01B 3/44** (2006.01); **H01B 7/04** (2006.01); **H01B 7/28** (2006.01)

CPC (source: EP)  
**H01B 3/441** (2013.01); **H01B 7/046** (2013.01); **H01B 7/2806** (2013.01)

Citation (search report)  
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