

Title (en)
MINERAL INSULATED CABLE

Title (de)
MINERALISOLIERTES KABEL

Title (fr)
CABLE A ISOLANT MINERAL

Publication
EP 0970484 A1 20000112 (EN)

Application
EP 98910830 A 19980306

Priority
• GB 9800665 W 19980306
• GB 9706257 A 19970326

Abstract (en)
[origin: WO9843254A1] A method of manufacturing mineral insulated cable comprises transporting a strip (1) of metal and one or more elongate conductors (4) along their length, continuously forming the strip into a tube that encloses the or each conductor, and welding opposed longitudinally extending edges of the strip together. Mineral insulant is inserted into the tube to form a cable preform, and the cable preform is subjected to one or more reduction operations in which its diameter is reduced to form the cable. The mineral insulant comprises amorphous silica that contains from 0.01 to 30 % by weight of a binder that causes the silica to resist deformation of the tube when the tube is subjected to the reduction operations. Preferred binders include mullite in the range of about 13 to 20 % by weight, and lime in the range of from 1 to 20 % by weight.

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