

Title (en)
COAXIAL CABLE

Title (de)
KOAXIALKABEL

Title (fr)
CÂBLE COAXIAL

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Abstract (en)
[origin: WO2010049315A1] The invention relates to a coaxial cable (10) comprising a central inner conductor (11) that is concentrically surrounded by an outer conductor (12) at a specified distance, wherein the intermediate space between the inner conductor (11) and outer conductor (12) is filled with a dielectric (13). A coaxial cable having especially good mechanical and electrical properties is achieved by the dielectric (13) comprising a plurality of hollow fibers (14, 15, 19) that extend in the longitudinal direction of the cable and are composed of a glass, and by at least the inner conductor (11) having a thermal expansion coefficient that is matched to the dielectric (13) with regard to a least possible temperature-related phase change in the coaxial cable (10).

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