

Title (en)

HF COAXIAL CABLE WITH AN ANGULAR PLUG CONNECTION, AND A METHOD FOR PRODUCING SAME

Title (de)

HF-KOAXIALKABEL MIT WINKELSTECKVERBINDUNG SOWIE VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

CÂBLE COAXIAL HF AVEC CONNECTEUR COUDÉ ET PROCÉDÉ POUR LA FABRICATION DUDIT CÂBLE COAXIAL

Publication

**EP 2878042 A1 20150603 (DE)**

Application

**EP 13739360 A 20130719**

Priority

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Abstract (en)

[origin: WO2014012675A1] The invention relates to an HF coaxial cable that comprises a cable inner conductor and a cable outer conductor, as well as an angular plug connection at at least one of its two cable ends. A method is also described for producing same. The invention is characterised in that said HF coaxial cable is designed as a conventional corrugated sheath cable comprising a cable outer conductor, in the form of a metal corrugated pipe, to which a line impedance  $Z_k$  and a minimum bending radius  $r_{k,min}$  are allocated; in that at the at least one cable end, said cable inner conductor is joined to an inner conductor of a straight plug connector and the cable outer conductor is joined to an outer conductor of the straight plug connector; in that said corrugated sheath cable has, directly or indirectly following the straight plug connector, a bend that has a bending radius  $r_a$ , where  $0.2 r_{k,min} \leq r_a \leq 0.9 r_{k,min}$ , which alters the line impedance  $Z_k$  by a maximum of 1 ohm; and in that the bend with the bending radius  $r_a$  is produced by cold forming said corrugated sheath cable with the introduction of bending forces and tensile forces directed along said corrugated sheath cable.

IPC 8 full level

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Citation (search report)

See references of WO 2014012675A1

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