

Title (en)
STEEL WIRE MATERIAL AND PRODUCTION METHOD FOR STEEL WIRE MATERIAL

Title (de)
STAHLDRAHTMATERIAL UND HERSTELLUNGSVERFAHREN FÜR STAHLDRAHTMATERIAL

Title (fr)
MATÉRIAU DE TYPE FIL D'ACIER ET SON PROCÉDÉ DE PRODUCTION

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Abstract (en)
A steel wire rod according to an aspect of the present invention has a chemical composition in a predetermined range, in which a structure in a central part includes 80 area% to 100 area% of pearlite and a total of 0 area% or more and less than 20 area% of proeutectoid ferrite, proeutectoid cementite, martensite, and bainite; an average lamellar spacing of the pearlite in the central part is 50 nm to 100 nm; an average length of lamellar cementite in the central part is 1.9 μm or less; an average pearlite block size in the central part is 15.0 μm to 30.0 μm ; a structure in a surface part includes 70 area% to 100 area% of the pearlite; and an average pearlite block size in the surface part is 0.40 times or more and 0.87 times or less the average pearlite block size in the central part.

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