

MOLTEN Al PLATED STEEL WIRE AS WELL AS STRANDED WIRE AND MANUFACTURING METHOD THEREFOR

ABSTRACT

[Problem] To provide a molten Al-plated steel wire with excellent twisting resistance such that rupture due to twisting does not occur when used in common stranded wire manufacturing devices in which twisting is applied on element wire. [Solution] A molten Al-plated steel wire with a 0.05-0.50 mm diameter steel core wire as the core, wherein the amount of adherent molten Al plating has been made uniform so that the mean diameter D_A (mm) and the minimum diameter D_{MIN} (mm) in the longitudinal direction of the wire satisfy formula (1). $(D_A - D_{MIN})/D_A \leq 0.10$
--- (1)

FIG. 4