

ALUMINIUM ALLOYS WIRE ROD

6101/6201

PRODUCT DESCRIPTION

Heat-treatable alloy

Principle alloying elements: magnesium and silicon

Standard diameter: 9.5mm

Tempers supplied: T1 (Heat-treated and naturally aged)

STANDARD PACKAGING

Weight: 1800 - 2100 kg

Inner diameter: 54.00 cm

Outer diameter: 135.00 cm

Width: 87.00 cm

Option: coils are tightly strapped with composite strips on wooden pallets, eye to the wall/eye to the sky

APPLICATION

Electrical products

GENERAL INFORMATION

Complies with international standards:

ASTM B233, EN 1715



Grade	Temper	Tolerance on nominal diameter, %	Typical nominal diameter, mm	Limited deviation in circularity, %	Mechanical properties			Electrical properties (temperature : 20 °C)	
					Tensile strength, Rm, Mpa		Elongation typical A 100 mm, %	Resistivity, $\mu\Omega\cdot\text{cm}$	Conductivity, % IACS
					min.	max.			
EN AW-6101/EN AW-6201									
EN AW-6101	T1	±5	9,5	3	190	-	17	3,5	49,2
EN AW-6201	T1	±5	9,5	3	205	-	17	3,6	47,8

Alloy	The content of impurities, % max											
	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	B	Others		Al
										Each	Total	
EN AW-6101	0,3-0,7	0,50	0,1	0,03	0,35-0,8	0,03	0,1	-	0,06	0,03	0,10	the rest
EN AW-6201	0,5-0,9	0,50	0,1	0,03	0,6-0,9	0,03	0,1	0,15	0,06	0,03	0,10	the rest