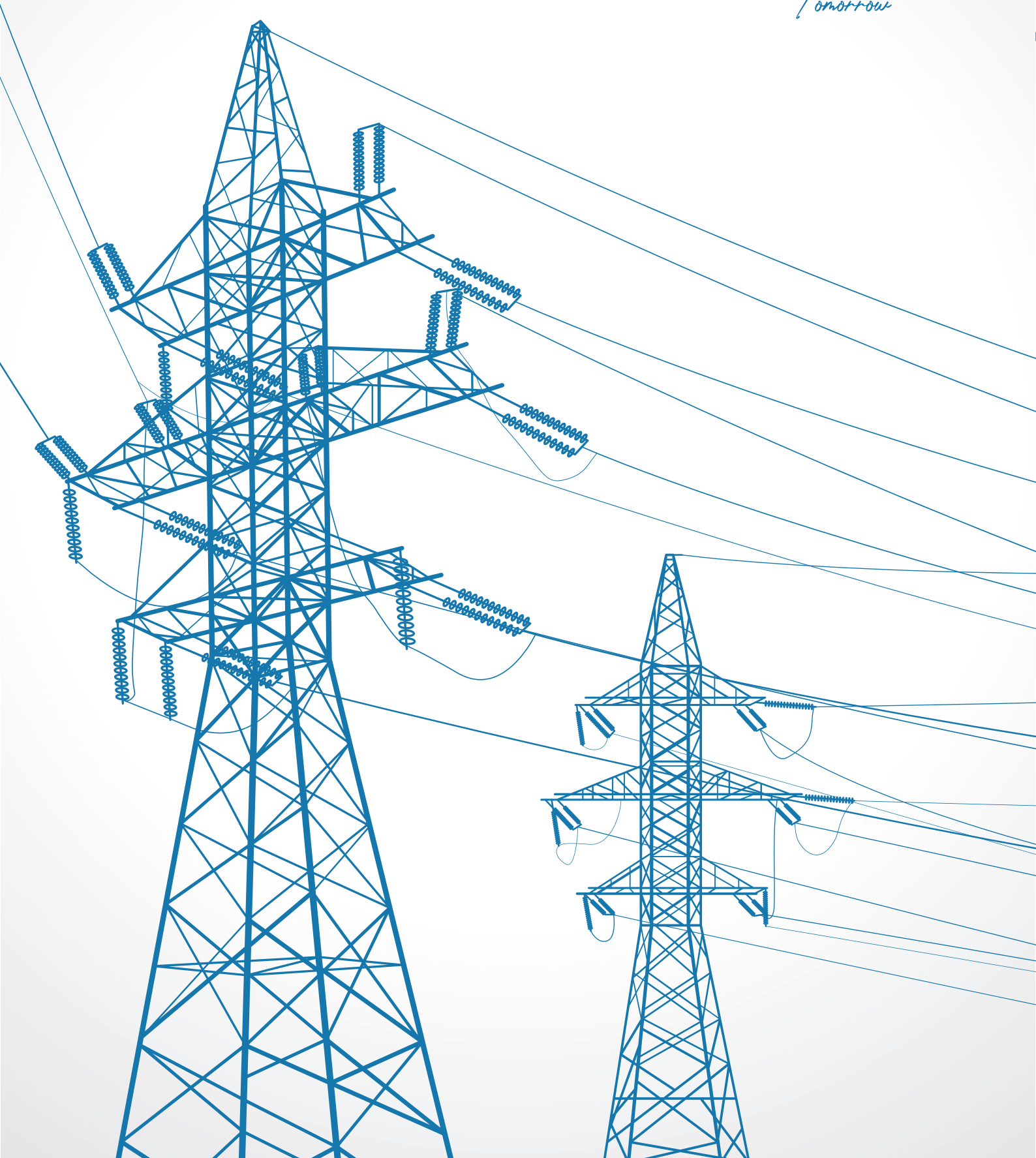


# RE IMAGINEERING TOMORROW WITH CUTTING-EDGE ALUMINIUM SOLUTIONS



# RE IMAGINEERING THE POWER AND TRANSMISSION SECTORS

At Nirmal, we are Reimagining Tomorrow by delivering high-quality, innovative aluminium wire rods tailored to meet the evolving needs of the power and transmission sectors.

We offer a versatile range of products, designed for excellence and reliability across diverse applications within these critical industries.

**With Nirmal Aluminium, you can rely on:**

- **Superior Conductivity:** Ensuring optimal energy efficiency.
- **Exceptional Durability:** Engineered for long-lasting performance under challenging conditions.
- **Lightweight Strength:** Balancing high strength with reduced weight for better functionality.
- **Sustainability:** Eco-friendly solutions that align with a greener future.

Experience the Nirmal advantage and power the future with confidence.

## ELECTRICAL CONDUCTIVITY (EC) GRADE ALUMINIUM WIRE ROD

**For Conductors and Cables:**

- Perfectly engineered for an ideal balance of strength and conductivity.

**For Winding Strip Applications:**

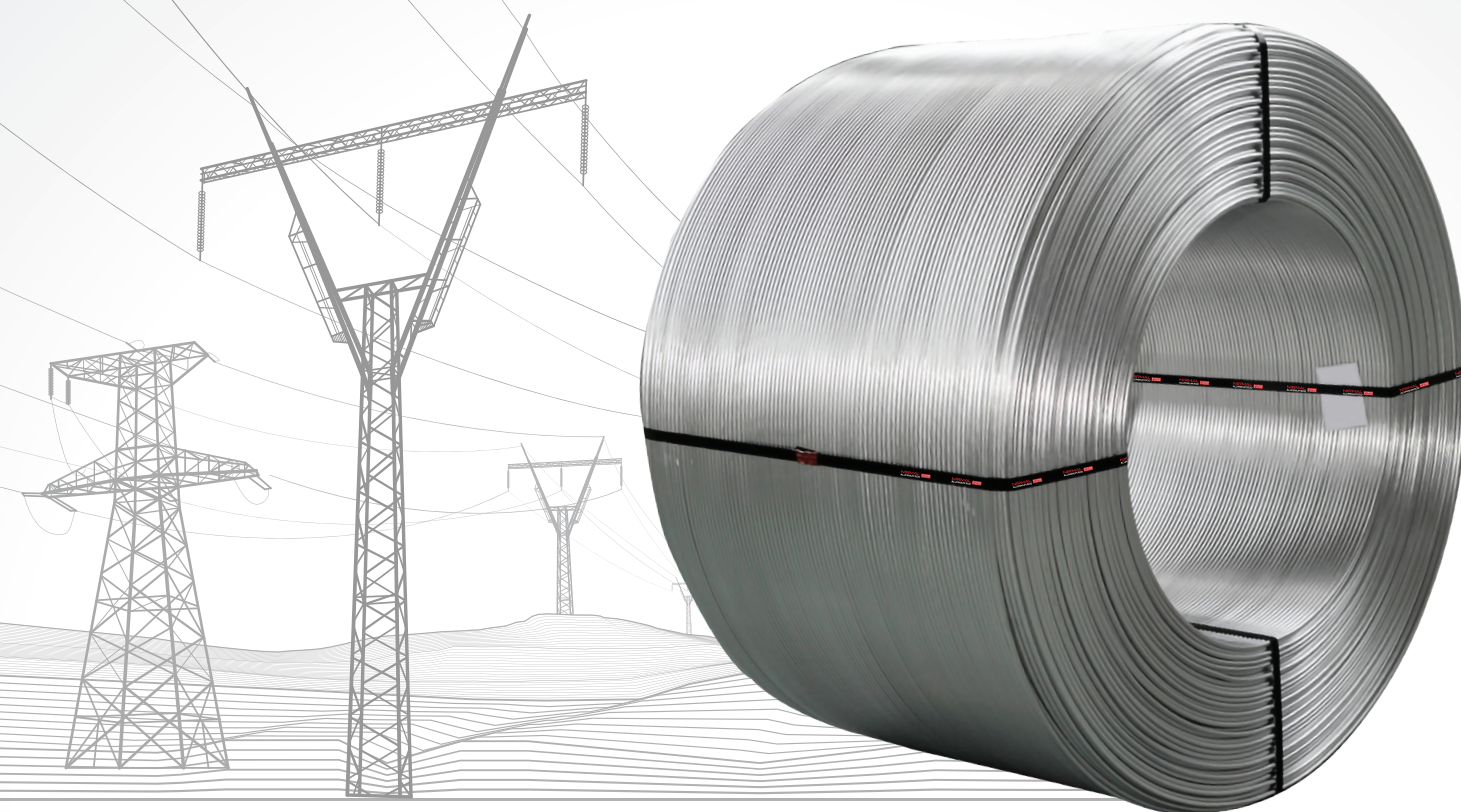
- Designed to deliver the optimal mix of strength and elongation.
- Features specially treated morphology for enhanced grain refinement.

Grade	EC 1370/1350			
Temper	H-11	H-12	H-13	H-14
UTS (Mpa)	80-95	95- 110	105-120	115- 130
Elongation (% at 100 mm) Min	22%	17%	14%	12%
Elongation (% at 250 mm) Min	15%	8%	8%	4%
Conductivity (% IACS) Min	61.5	61.5	61.5	61.5
Diameter (mm)	9.5+/-0.50	9.5+/-0.50	9.5+/-0.50	9.5+/-0.50
	12+/-0.50	12+/-0.50	12+/-0.50	12+/-0.50
	15+/-0.50	15+/-0.50	15+/-0.50	15+/-0.50

As per customer requirements, Nirmal Aluminium has the capacity of supplying 8xxx rods (8176 and 8030)

# NIRMAL

## ALUMINIUM WIRE ROD



**Al-59 and 6xxx Aluminium Alloy Wire Rod For All Aluminium Alloy Conductors (AAAC) and Aluminium Alloy Conductor Steel Reinforced (AACSR)**

- Enhanced material longevity

Grade	Temper	UTS (Mpa)	Conductivity (%IACS) Min.	Elongation (% at 250 mm)	Diameter (mm)
Alloy Rod	T-4 Temper 6201	160-250	50	10 min	7.60+/-0.40
	Al-59	138 min	54.6	10 min	9.5+/-0.50

**8030/8176 Alloy Wire Rod for the Conductor Industry**

- Uniform Product Composition

Grade	Temper	UTS (Mpa)	(%IACS) Min.	Elongation (% at 250 mm) Min	Diameter (mm)
8xxx	8176 (H14)	103-152	60	10	9.5+/-0.40
	8030 (H14)	103-152	59.5	10	9.5+/-0.40



## GROUP NIRMAL

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## WORKS

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