

**APAR INDUSTRIES LIMITED (CONDUCTORS DIVISION)**  
**PRODUCT DATA SHEET (ALUMINIUM WIRE AND WIRE ROD)**

Aluminium and Aluminium Alloy Wire Rods					Specification :		IS:5484, ASTM B:398, IS:9997, ASTM B :233, IS: 733, ASTM B: IEC:104 , BS:3242, BS-2627, IS:8130
Product Code	Product	Designation	Diameter (mm)	Cond. (% IACS)	UTS (Kg/Sq.mm)	Elong. (%)	Chemistry
Alloy 6201 (T8),	Alloy Wire 6201 (T8) Sol. Trtd. In coil form.	T8	2.50 to 5.0 mm Wire	> 52.5	Min. 30.0	Min. 3.0	Si-0.50- 0.90, Fe.-0.50 max, Mg-0.60- 0.90, Cu- 0.10 max, Mn- 0.03 max., CR.-0.03 max, Zn- 0.10 max, B- 0.06 max., Other element each max. 0.03, other element total max. 0.10. Aluminium remainder.
Alloy 6101 (T4), Sol. Tr.	Alloy W/R 6101 (T4) Sol. Trtd. In coil	T4	9.50±0.50 or 7.60 ±0.40	> 50.0	Min. 16.0	Min. 14.0	Si-0.40- 0.80, Fe.-0.50 max, Mg-0.50- 0.80, Cu- 0.10 max, Mn- 0.03 max., CR.-0.03 max, Zn- 0.10 max, B- 0.06 max., Other element each max. 0.03, other element total max. 0.10. Aluminium remainder.
Alloy 6101 (T8),	Alloy Wire 6101 (T8) Sol. Trtd. In coil form.	T8	2.50 to 5.0 mm Wire	> 53.0	Min. 30.0	Min. 3.0	Si-0.40- 0.80, Fe.-0.50 max, Mg-0.50- 0.80, Cu- 0.10 max, Mn- 0.03 max., CR.-0.03 max, Zn- 0.10 max, B- 0.06 max., Other element each max. 0.03, other element total max. 0.10. Aluminium remainder.
<b>MA- 65032</b>	<b>Alloy Wire 65032 Sol. treated In coil form.</b>	<b>65032-T8</b>	<b>3.00 to 8.0 mm Wire</b>	<b>&gt;40.0</b>	<b>Min. 35.0</b>	<b>Min. 6.0</b>	<b>Si-0.40- 0.80, Fe.-0.70 max, Mg-0.70- 1.20, Cu- 0.15-0.40, Mn- 0.20- 0.80, Cr.-0.15-0.35, Zn- 0.20 max, Ti. Or other grain refiner max. 0.20 and Aluminium remainder (either Mn or Cr shall be present).</b>
<b>MA- 6061</b>	<b>Alloy Wire Rod 6061 in M temper coil form.</b>	<b>6061</b>	<b>7.60± 0.40, 9.50±0.50, 12.5±0.50 mm</b>	<b>&gt;40.0</b>	<b>Min. 12.0</b>	<b>Min. 12.0</b>	<b>Si-0.40- 0.80, Fe.-0.70 max, Mg-0.80- 1.20, Cu- 0.15-0.40, Mn- 0.15 max, Zn-0.25 max., Ti- 0.15, Cr-0.04 - 0.35 max., others 0.15 max, remainder each max. 0.05 and Aluminium Balance.</b>
<b>MA- 6061</b>	<b>Alloy Wire Rod 6061 in T4 temper coil form.</b>	<b>6061</b>	<b>7.60± 0.40, 9.50±0.50, 12.5±0.50 mm</b>	<b>&gt;40.0</b>	<b>Min. 18.0</b>	<b>Min. 14.0</b>	<b>Si-0.40- 0.80, Fe.-0.70 max, Mg-0.80- 1.20, Cu- 0.15-0.40, Mn- 0.15 max, Zn-0.25 max., Ti- 0.15, Cr-0.04 - 0.35 max., others 0.15 max, remainder each max. 0.05 and Aluminium Balance.</b>
<b>MA- 6061</b>	<b>Alloy Wire 6061 in T8 temper coil form.</b>	<b>6061</b>	<b>3.00 to 8.0 mm Wire</b>	<b>&gt;40.0</b>	<b>Min. 35.0</b>	<b>Min. 6.0</b>	<b>Si-0.40- 0.80, Fe.-0.70 max, Mg-0.80- 1.20, Cu- 0.15-0.40, Mn- 0.15 max, Zn-0.25 max., Ti- 0.15, Cr-0.04 - 0.35 max., others 0.15 max, remainder each max. 0.05 and Aluminium Balance.</b>
<b>MA- 6063</b>	<b>Alloy Wire 6063 T8 temper In coil form.</b>	<b>6063</b>	<b>3.00 to 8.0 mm Wire</b>	<b>&gt;40.0</b>	<b>Min. 35.0</b>	<b>Min. 6.0</b>	<b>Si-0.20- 0.60, Fe.-0.35 max, Mg-0.45- 0.90, Cu- 0.35 max., Mn- 0.10 max, Zn-0.10 max., Ti- 0.10 max. Cr-0.10 max., remainder each 0.05 max., remainder total 0.15 max. and Aluminium Balance.</b>