

**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
EC - 211	EC AL Wire Rod in Coil	G2-T1	9.50 ±0.50	> = 61.50	6.5-10.0	Min. 12.0	Si-0.13, Fe-0.30, Cu-0.04, Ti+V-0.02,( Mn,Zr and Cr) -0.01 each, Al. Min.99.6 %
EC - 212	EC AL Wire Rod in Coil	G2-T1	9.50 ±0.50, 12.5 ±0.50	> = 61.50	10.0-12.5	Min. 8.0	Si-0.13, Fe-0.30, Cu-0.04, Ti+V-0.02,( Mn,Zr and Cr) -0.01 each, Al. Min.99.6 %
EC - 2H0	EC AL Wire Rod in Coil	H0	9.50 ±0.50, 12.5 ±0.50	> = 61.50	up to 9.0	Min. 15.0	Si - 0.10, Fe-0.40, Cu-0.05, Ti+V-0.02, Mn-0.01, Cr-0.01, Zn-0.05, B-0.05, Ga-0.03, other each 0.03, other total-0.10, Al. Min.99.5 %
EC - 2H2	EC AL Wire Rod in Coil	H2	9.50 ±0.50, 12.5 ±0.50	> = 61.00	9.50-12.50	-	Si - 0.10, Fe-0.40, Cu-0.05, Ti+V-0.02, Mn-0.01, Cr-0.01, Zn-0.05, B-0.05, Ga-0.03, other each 0.03, other total-0.10, Al. Min.99.5 %
EC - 2H4	EC AL Wire Rod in Coil	H4	9.50 ±0.50, 12.5 ±0.50	> = 61.00	9.50-12.50	-	Si - 0.10, Fe-0.40, Cu-0.05, Ti+V-0.02, Mn-0.01, Cr-0.01, Zn-0.05, B-0.05, Ga-0.03, other each 0.03, other total-0.10, Al. Min.99.5 %
EC - H12	EC AL Wire Rod in Coil	H12	9.50 ±0.50, 12.5 ±0.50	> = 61.50	8.50-12.0	-	Si - 0.10, Fe-0.40, Cu-0.05, Ti+V-0.02, Mn-0.01, Cr-0.01, Zn-0.05, B-0.05, Ga-0.03, other each 0.03, other total-0.10, Al. Min.99.5 %
EC - H14	EC AL Wire Rod in Coil	H14	9.50 ±0.50, 12.5 ±0.50	> = 61.40	10.50-14.00	-	Si - 0.10, Fe-0.40, Cu-0.05, Ti+V-0.02, Mn-0.01, Cr-0.01, Zn-0.05, B-0.05, Ga-0.03, other each 0.03, other total-0.10, Al. Min.99.5 %
EC - 1350-H19	EC AL Wire Rod in Coil	1350 H19	9.50 ±0.50, 12.5 ±0.50	> = 61.2	9.50-12.50	-	Si - 0.10, Fe-0.40, Cu-0.05, Ti+V-0.02, Mn-0.01, Cr-0.01, Zn-0.05, B-0.05, Ga-0.03, other each 0.03, other total-0.10, Al. Min.99.5 %
EC - 221	EC AL Wire Rod in Coil	G2-T2	9.50 ±0.50	> = 61.0	6.5-10.0	Min. 12.0	Si - 0.13, Fe-0.30, Cu-0.04, Ti+V-0.02,( Mn,Zr and Cr) -0.01 each, Al. Min.99.6 %
EC - 222	EC AL Wire Rod in Coil	G2-T2	9.50 ±0.50	> = 61.0	8.5-12.5	Min. 8.0	Si - 0.13, Fe-0.30, Cu-0.04, Ti+V-0.02,( Mn,Zr and Cr) -0.01 each, Al. Min.99.6 %
Alloy 6201 (M) As mfd.	Alloy W/R 6201 (F) as fab. In coil form	M	7.60± 0.40, 9.50±0.50, 12.5±0.50 mm	> 54.0	Min. 13.0	Min. 7.0	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 6201 (W/T4), Sol. Tr.	Alloy W/R 6201 (T4) Sol. Trtd. In coil	T4	7.60± 0.40, 9.50±0.50, 12.5±0.50 mm	> 50.0	Min. 16.0	Min. 14.0	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.

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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.
MA- 65032	Alloy Wire 65032 Sol. treated In coil form.	65032-T8	3.00 to 8.0 mm Wire	>40.0	Min. 35.0	Min. 6.0	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).
MA- 6061	Alloy Wire Rod 6061 in M temper coil form.	6061	7.60± 0.40, 9.50±0.50, 12.5±0.50 mm	>40.0	Min. 12.0	Min. 12.0	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.
MA- 6061	Alloy Wire Rod 6061 in T4 temper coil form.	6061	7.60± 0.40, 9.50±0.50, 12.5±0.50 mm	>40.0	Min. 18.0	Min. 14.0	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.
MA- 6061	Alloy Wire 6061 in T8 temper coil form.	6061	3.00 to 8.0 mm Wire	>40.0	Min. 35.0	Min. 6.0	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.
MA- 6063	Alloy Wire 6063 T8 temper In coil form.	6063	3.00 to 8.0 mm Wire	>40.0	Min. 35.0	Min. 6.0	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.