

1.0 COPPER & ALUMINIUM CONDUCTORS

1.1 ENAMELLED COPPER WIRES



GAUGE JIS / Fujikura JIS / Sumitomo JIS

Polyester Imide Polyamide Imide (EI/AI) Coated Enamelled Copper Wire
Class H 200°C JIS C3053

No.	Stock Code	SWG	MM	Packing	Price/kg (RM)
1	SGJAIEI2000	14	2.00	PT25	
2	SGJAIEI1900	14 1/2	1.90	PT25	
3	SGJAIEI1800	15	1.80	PT25	
4	SAIEI1700 SGJAIEI1700	15 1/2	1.70	PT25	
5	SAIEI1600 SGJAIEI1600	16	1.60	PT25	
6	SAIEI1500 SGJAIEI1500	16 1/2	1.50	PT25	
7	SAIEI1450 SGJAIEI1450	16 1/2	1.45	PT25	
8	SAIEI1400 SGJAIEI1400	17	1.40	PT25	
9	SAIEI1300 SGJAIEI1300	17 1/2	1.30	PT25	
10	SAIEI1250 SGJAIEI1250	18	1.25	PT25	
11	SAIEI1200 SGJAIEI1200	18	1.20	PT25	
12	SAIEI1150 SGJAIEI1150	18 1/2	1.15	PT25	
13	SAIEI1100 SGJAIEI1100	18 1/2	1.10	PT25	
14	SAIEI1050 SGJAIEI1050	19	1.05	PT25	
15	SAIEI1000 SGJAIEI1000	19	1.00	PT25	
16	SAIEI0950 SGJAIEI0950	19 1/2	0.95	PT25	
17	SAIEI0900 SGJAIEI0900	20	0.90	PT25	
18	SAIEI0850 SGJAIEI0850	20 1/2	0.85	PT25	
19	SAIEI0800 SGJAIEI0800	21	0.80	PT25	
20	SAIEI0750 SGJAIEI0750	21 1/2	0.75	PT25	
21	SAIEI0700 SGJAIEI0700	22	0.70	PT25	
22	SAIEI0670	22 1/2	0.67	PT25	
23	SAIEI0650 SGJAIEI0650	22 1/2	0.65	PT25	
24	SAIEI0600 SGJAIEI0600	23	0.60	PT25	
25	SAIEI0550 SGJAIEI0550	24	0.55	PT25	
26	SAIEI0500 SGJAIEI0500	25	0.50	PT25	
27	SAIEI0450	26	0.45	PT25	
28	SAIEI0400	27	0.40	PT25	
29	SAIEI0370	28	0.37	PT25	
30	SAIEI0350	29	0.35	PT25	
31	SAIEI0320	30	0.32	PT25	
32	SAIEI0300	30 1/2	0.30	PT25	
33	SAIEI0290	31	0.29	PT25	
34	SAIEI0270	32	0.27	PT25	
35	SAIEI0250	33	0.25	PT25	
36	SAIEI0230	34	0.23	PT25	
37	SAIEI0210	35	0.21	PT25	
38	SAIEI0200	35 1/2	0.20	PT25	
39	SAIEI0190	36	0.19	PT25	
40	SAIEI0170	37	0.17	PT25	
41	SAIEI0150	38	0.15	PT25	

- * This type of enamelled wire exhibits good solvent & abrasion resistance as well as high tolerance of overload.
- * Applications: HVT coil for transformer, motor for automobile, electric devices, transformers, motors used in Freon gas.
- * Disclaimer: GAUGE JIS is a brand owned by Kin Copper Electric, manufactured on OEM basis by readily established magnet wire manufacturer according to requirements as stipulated in the JIS Standard.

1.0 COPPER & ALUMINIUM CONDUCTORS



GAUGE IEC / F.D. SIMS / ESSEX BICC

THEIC Polyester-Polyamide Imide (EI/AI) Coated Enamelled Copper Wire
Class H 200°C IEC 60317-13, NEMA MW 73-C, MW 35-C

No.	Stock Code	SWG	MM	Packing	Price/kg (RM)
1	SGAIEI4000	8	4.00	D355	
2	SGAIEI3750	8 ½	3.75	D355	
3	SGAIEI3650	8 ½	3.65	D355	
4	SGAIEI3550	9	3.55	D355	
5	SGAIEI3350	9 ½	3.35	D355	
6	SGAIEI3250	9 ½	3.25	D355	
7	SGAIEI3150	10	3.15	D355	
8	SGAIEI3000	10 ½	3.00	D355	
9	SGAIEI2900	11	2.90	D355	
10	SGAIEI2800	11 ½	2.80	D355	
11	SGAIEI2650	12	2.65	D355	
12	SGAIEI2500	12 ½	2.50	D355	
13	SGAIEI2360	13	2.36	D355	
14	SGAIEI2120	13 ½	2.12	D355	
15	SGAIEI2000	14	2.00	D250	
16	SGAIEI1900	14 ½	1.90	D250	
17	SGAIEI1800	15	1.80	D250	
18	SGAIEI1700	15 1/2	1.70	D250	
19	SGAIEI1600	16	1.60	D250	
20	SGAIEI1500	16 ½	1.50	D250	
21	SGAIEI1450	16 ½	1.45	D250	
22	SGAIEI1400	17	1.40	D250	
23	SGAIEI1320	17 ½	1.32	D250	
24	SGAIEI1300	17 ½	1.30	D250	
25	SGAIEI1250	18	1.25	D250	
26	SGAIEI1200	18	1.20	D250	
27	SGAIEI1180	18 1/2	1.18	D250	
28	SGAIEI1120	18 1/2	1.12	D250	
29	SGAIEI1100	18 1/2	1.10	D250	
30	SGAIEI1060	19	1.06	D250	
31	SGAIEI1050	19	1.05	D250	
32	SGAIEI1000	19	1.00	D250	
33	SGAIEI0950	19 ½	0.95	D250	
34	SGAIEI0900	20	0.90	D250	
35	SGAIEI0850	20 ½	0.85	D250	
36	SGAIEI0800	21	0.80	D250	
37	SGAIEI0750	21 ½	0.75	D250	
38	SGAIEI0710	22	0.71	D250	
39	SGAIEI0700	22	0.70	D250	
40	SGAIEI0670	22 ½	0.67	D250	
41	SGAIEI0650	22 ½	0.65	D250	
42	SGAIEI0630	22 ½	0.63	D250	
43	SGAIEI0600	23	0.60	D250	
44	SGAIEI0560	24	0.56	D200	
45	SGAIEI0550	24	0.55	D200	
46	SGAIEI0500	25	0.50	D200	

- * This type of enamelled wire exhibits good solvent & abrasion resistance as well as high tolerance of overload.
- * Applications: HVT coil for transformer, motor for automobile, electric devices, transformers, motors used in Freon gas.
- * Disclaimer: GAUGE IEC is a brand owned by Kin Copper Electric, manufactured on OEM basis by readily established magnet wire manufacturer according to requirements as stipulated in the IEC Standard.

1.0 COPPER & ALUMINIUM CONDUCTORS

ENAMELLED RECTANGULAR COPPER WIRE

Polyester Imide Polyamide Imide Coated Enamelled Rectangular Copper Wire
Class H 200°C

No.	Stock Code	Sizes	Packing	Price/kg (RM)
1	INV150500	1.50 MM X 5.00MM	D355	
2	INV160100	1.60MM X 10.00MM	D355	
3	INV200040	2.00MM X 4.00MM	D355	
4	INV200041	2.00MM X 4.10MM	D355	
5	INV200060	2.00MM X 6.00MM	D355	
6	INV220050	2.20MM X 5.00MM	D355	
7	INV240050	2.40MM X 5.00MM	D355	
8	INV250040	2.50MM X 4.00MM	D355	
9	INV250050	2.50MM X 5.00MM	D355	
10	INV250056	2.50MM X 5.60MM	D355	
11	INV270050	2.70MM X 5.00MM	D355	
12	INV280500	2.80MM X 5.00MM	D355	
13	INV300050	3.00MM X 5.00MM	D355	
14	INV300060	3.00MM X 6.00MM	D355	
15	INV300070	3.00MM X 7.00MM	D355	
16	INV300080	3.00MM X 8.00MM	D355	
17	INV300090	3.00MM X 9.00MM	D355	
18	INV300100	3.00MM X 10.00MM	D355	
19	INV315050	3.15MM X 5.00MM	D355	
20	INV315056	3.15MM X 5.60MM	D355	
21	INV315063	3.15MM X 6.30MM	D355	
22	INV320600	3.20MM X 6.00MM	D355	
23	INV320800	3.20MM X 8.00MM	D355	
24	INV320100	3.20MM X 10.00MM	D355	
25	INV320120	3.20MM X 12.00MM	D355	
26	INV335063	3.35MM X 6.30MM	D355	
27	INV350800	3.50MM X 8.00MM	D355	
28	INV355063	3.55MM X 6.30MM	D355	
29	INV400025	4.00MM X 2.50MM	D355	
30	INV400060	4.00MM X 6.00MM	D355	
31	INV400070	4.00MM X 7.00MM	D355	
32	INV400080	4.00MM X 8.00MM	D355	
33	INV400100	4.00MM X 10.00MM	D355	
34	INV400110	4.00MM X 11.00MM	D355	
35	INV400120	4.00MM X 12.00MM	D355	
36	INV400140	4.00MM X 14.00MM	D355	
37	INV400160	4.00MM X 16.00MM	D355	

- * This type of enamelled wire exhibits good solvent & abrasion resistance as well as high tolerance of overload.
- * Applications: HVT coil for transformer, motor for automobile, electric devices, transformers, motors used in Freon gas.

1.0 COPPER & ALUMINIUM CONDUCTORS

1.2 COPPER STRIPS / TAPES



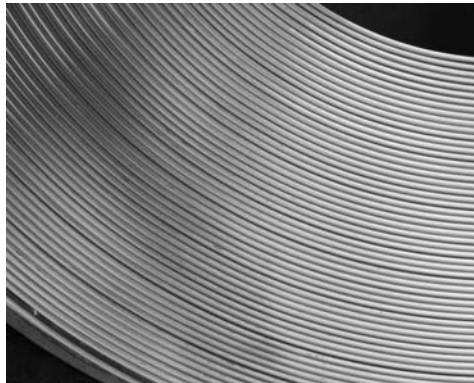
GAUGE / METROD COPPER STRIPS

Soft Rectangular Copper Strips/Tape as per BS EN 13601:2002 (Supersedes BS 1432:1987)

No.	Stock Code	Size (mm)	Packing (kg/reel)	Price/kg (RM)
1	MET01601900	1.60MM X 19.00MM ($\frac{1}{16}$ " X $\frac{3}{4}$ ")	± 60KGS	
2	MET01602500	1.60MM X 25.00MM ($\frac{1}{16}$ " X 1")	± 60KGS	
3	MET03002500	3.00MM X 25.00MM ($\frac{1}{8}$ " X 1")	± 60KGS	
4	MET05004000	5.00MM X 40.00MM ($\frac{3}{16}$ " X 1½")	± 60KGS	
5	MET05005000	5.00MM X 50.00MM ($\frac{3}{16}$ " X 2")	± 60KGS	
6	MET06002500	6.00MM X 25.00MM ($\frac{1}{4}$ " X 1")	± 60KGS	
7	MET06005000	6.00MM X 50.00MM ($\frac{1}{4}$ " X 2")	± 60KGS	

* Copper Strips or Tape is a highly conductive material, mainly used as part of a lightning safety device in earthing electrical charges from lightning.

* Disclaimer: GAUGE Copper Strips is a brand owned by Kin Copper Electric, manufactured on OEM basis by readily established magnet wire manufacturer according to requirements as stipulated in BS EN 13601:2002 Standard.



COMMON SIZES INFORMATION CHART

Description	Sizes (Different Combinations of Thickness and Width)						
Nominal Thickness (mm)	1.6	1.6	1.6	3.0	4.0	6.0	6.0
Nominal Width (mm)	13.0	19.0	25.0	25.0	50.0	25.0	50.0
Thickness Tolerance (mm)	0.03	0.03	0.03	0.03	0.05	0.05	0.05
Width Tolerance (mm)	0.10	0.10	0.10	0.10	0.14	0.10	0.14
Corner radius (mm)	0.5	0.5	0.5	0.8	1.0	1.0	1.0
Nominal area (mm ²)	20.80	30.40	40.00	75.00	200.00	150.00	300.00
Minimum area (mm ²)	20.25	29.67	39.09	73.95	196.95	148.16	296.67
Maximum area (mm ²)	21.35	31.13	40.91	76.05	203.07	151.86	303.35
Nominal Weight / Meter	0.18	0.27	0.36	0.66	1.78	1.33	2.67
Minimum Weight / Meter	0.18	0.26	0.35	0.66	1.75	1.32	2.64
Maximum Weight / Meter	0.19	0.28	0.36	0.67	1.81	1.35	2.70
Nominal Length / 1 Kg	5.44	3.71	2.81	1.50	0.56	0.75	0.37
Minimum Length / 1 Kg	5.59	3.80	2.88	1.53	0.57	0.76	0.38
Maximum Length / 1 Kg	5.30	3.62	2.75	1.48	0.55	0.74	0.37

1.0 COPPER & ALUMINIUM CONDUCTORS

1.3 ENAMELLED ALUMINIUM WIRES



GAUGE

GAUGE ENAMELLED ALUMINIUM WIRES

Polyester Imide Polyamide Imide (EI/AIWCA) Coated Enamelled Aluminium Wire
Class H

No.	Stock Code	SWG	MM	Packing	Price/kg (RM)
1	SALG4000	8	4.00	PT60	
2	SALG3600	8 ½	3.60	PT60	
3	SALG3500	9	3.50	PT60	
4	SALG3200	10	3.20	PT60	
5	SALG3000	10 ½	3.00	PT60	
6	SALG2800	11 ½	2.80	PT60	
7	SALG2600	12	2.60	PT60	
8	SALG2500	12 ½	2.50	PT60	
9	SALG2300	13	2.30	PT60	
10	SALG2100	13 ½	2.10	PT60	
11	SALG2000	14	2.00	PT25	
12	SALG1900	14 ½	1.90	PT25	
13	SALG1800	15	1.80	PT25	
14	SALG1750	15 ½	1.75	PT25	
15	SALG1700	15 ½	1.70	PT25	
16	SALG1600	16	1.60	PT25	
17	SALG1500	16 ½	1.50	PT25	
18	SALG1400	17	1.40	PT25	
19	SALG1300	17 ½	1.30	PT25	
20	SALG1250	18	1.25	PT25	
21	SALG1200	18	1.20	PT25	
22	SALG1100	18 ½	1.10	PT25	
23	SALG1000	19	1.00	PT25	
24	SALG0950	19 ½	0.95	PT25	
25	SALG0900	20	0.90	PT25	
26	SALG0850	20 ½	0.85	PT25	
27	SALG0800	21	0.80	PT25	
28	SALG0750	21 ½	0.75	PT25	
29	SALG0700	22	0.70	PT25	
30	SALG0650	22 ½	0.65	PT25	
31	SALG0600	23	0.60	PT25	
32	SALG0550	24	0.55	PT25	
33	SALG0500	25	0.50	PT25	

- * Aluminium wire is a cost effective substitute to copper wire with Aluminium to Copper conductivity ratio of 61:100 while the Aluminium : Copper weight ratio is only 3 : 10.
- * This type of enamelled wire exhibits good heat shock & heat resistance.
- * Applications: High speed motors & generators, dry transformer & solenoid coil, electro motors.
- * Disclaimer: GAUGE EI/AIWCA is a brand owned by Kin Copper Electric, manufactured on OEM basis by readily established magnet wire manufacturer.