KIN

The Power of Insulation







KIN COPPER ELECTRIC

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KIN COPPER ELECTRIC

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ENAMELLED COPPER WIRES

KIN COPPER ELECTRIC

GAUGE 220 (EI/AIW)

GAUGE Polyester Imide/Polyamide Imide (EI/AIW) Coated Enamelled Copper Wire, Class C 220°C IEC 60317, KS C3106, NEMA 37-C

No.	Stock Code	SWG	MM	Packing	Price/Kg (RM)
1	SGJAIEI3200	10	3.20	PT25	
2	SGJAIEI3000	10 ½	3.00	PT25	
3	SGJAIEI2900	11	2.90	PT25	
4	SGJAIEI2800	11 ½	2.80	PT25	
5	SGJAIEI2600	12	2.60	PT25	
6	SGJAIEI2500	12 ½	2.50	PT25	
7	SGJAIEI2300	13	2.30	PT25	
8	SGJAIEI2100	13 ½	2.10	PT25	
9	SGJAIEI2000	14	2.00	PT25	
10	SGJAIEI1900	14 ½	1.90	PT25	
11	SGJAIEI1800	15	1.80	PT25	
12	SGJAIEI1700	15 ½	1.70	PT25	
13	SGJAIEI1600	16	1.60	PT25	
14	SGJAIEI1500	16 ½	1.50	PT25	
15	SGJAIEI1450	16 ½	1.45	PT25	
16	SGJAIEI1400	17	1.40	PT25	
17	SGJAIEI1300	17 ½	1.30	PT25	
18	SGJAIEI1250	18	1.25	PT25	
19	SGJAIEI1200	18	1.20	PT25	
20	SGJAIEI1150	18 ½	1.15	PT25	
21	SGJAIEI1100	18 ½	1.10	PT25	
22	SGJAIEI1050	19	1.05	PT25	
23	SGJAIEI1000	19	1.00	PT25	
24	SGJAIEI0950	19 ½	0.95	PT25	
25	SGJAIEI0900	20	0.90	PT25	
26	SGJAIEI0850	20 ½	0.85	PT25	
27	SGJAIEI0800	21	0.80	PT25	
28	SGJAIEI0750	21 ½	0.75	PT25	
29	SGJAIEI0700	22	0.70	PT25	
30	SGJAIEI0670	22 ½	0.67	PT25	
31	SGJAIEI0650	22 ½	0.65	PT25	
32	SGJAIEI0600	23	0.60	PT25	
33	SGJAIEI0550	24	0.55	PT25	
34	SGJAIEI0500	25	0.50	PT25	
35	SGJAIEI0450	26	0.45	PT25	
36	SGJAIEI0400	27	0.40	PT25	
37	SGJAIEI0370	28	0.37	PT25	
38	SGJAIEI0350	29	0.35	PT25	
39	SGJAIEI0320	30	0.32	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.



ENAMELLED COPPER WIRES

KIN COPPER ELECTRIC

GAUGE 220 (EI/AIW)

Polyester Imide/Polyamide Imide (EI/AIW) Coated Enamelled Copper Wire, Class C 220°C IEC 60317, KS C3106 NEMA MW 37-C

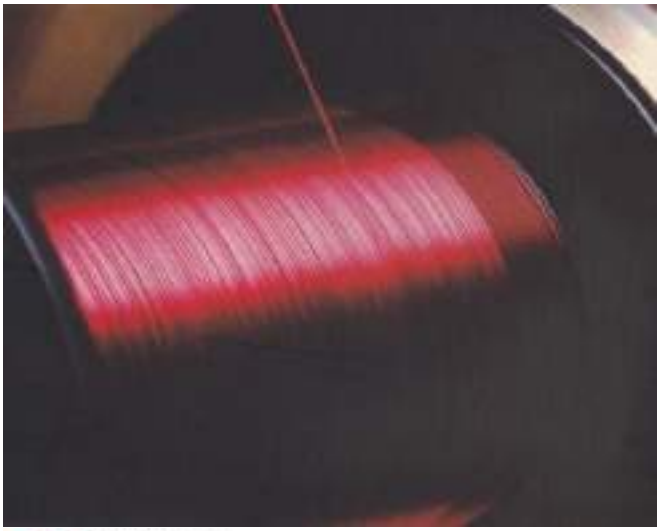
No.	Stock Code	SWG	MM	Packing	Price/Kg (RM)
40	SGJAIEI0300	30 ½	0.30	PT25	
41	SGJAIEI0290	31	0.29	PT25	
42	SGJAIEI0270	32	0.27	PT25	
43	SGJAIEI0250	33	0.25	PT25	
44	SGJAIEI0230	34	0.23	PT25	
45	SGJAIEI0210	35	0.21	PT25	
46	SGJAIEI0200	35 ½	0.20	PT25	
47	SGJAIEI0190	36	0.19	PT25	
48	SGJAIEI0170	37	0.17	PT25	
49	SGJAIEI0150	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.



ENAMELLED COPPER WIRES

KIN COPPER ELECTRIC







GAUGE

PRODUCT CHARACTERISTICS

The GAUGE 200 wire is coated with a dual film of insulation. The underlying film is composed primarily of a synthetic resin based on THEIC-Polyester or Modified Polyester which is heat resistant and the superimposed film is composed primarily of Polyamide-Imide which is abrasion resistant.

The insulating film of the wire is made by baking insulating varnish on the conductor uniformly. The film is harmless to the conductor and also have sufficient durability.

Other characteristics of the GAUGE 200 wire are as shown below:

STANDARDS	IEC 60317-13 NEMA MW 73-C, MW 35-C JIS C3053
Symbol	EIAIW
Insulation Coating	Polyesterimide with Polyamide-Imide Overcoat
Mechanical Properties*	*properties stated are for sample at size 1.00mm
Elongation	>25%
Adherence - Flexibility	Film free from cracks such as expose the conductor
Resistance to Abrasion	>7.0N
Electrical Properties Braskdown Voltage	10KV
Thermal Properties	
Temperature Index	200°C
Cut Through	Min 300°C
Heat Shock	Film free from cracks such as to expose the conductor
Chemical Propertie	
Solvent Test	Film free from blister and peeling off by 2H pencil lead or finger nail
Resistance to Refrigerants	HFC134 - 404 - 407 FREON R12 R22 R134-a

ENAMELLED COPPER WIRES

KIN COPPER ELECTRIC

MAGNET WIRE PROCESS FLOWCHART



Spool Incoming Inspection

Varnish Incoming Inspection

Copper Incoming Inspection









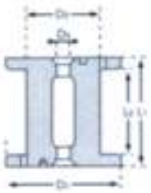




- Drawing Annealing
- Enamelling
- Take-Up
- Roving Inspection
- Final Inspection (lab test)
- Final Inspection (reel test)
- Weighing, Labelling, Packaging
- STORAGE

PACKAGING AND DELIVERY

The standard packing of GAUGE 200 wire is in Cylindrical Spools according to the DIN 46399 and IEC 264-2 Standards.



TYPE OF REEL	WIRE RANGE mm	ABERAGE CONTENT kg	DIMENSIONS mm				
			Flange (D1)	Barrel (D2)	Bore (D3)	Width (L1)	Traverse (L2)
200	0.16-0.56	11	200	125	22	200	160
250	0.63-1.90	20	250	160	22	200	160
355	2.00-5.00	40	355	224	36	200	160
500	2.00-5.00	100	500	315	36	250	160

ENAMELLED COPPER WIRES

KIN COPPER ELECTRIC

GAUGE (IEC)

Polyester-Polyamide Imide (EI/AIW) Coated Enamelled Copper Wire Class C 220˚C IEC 60317-13, NEMA MW 37-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 ½	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 ½	1.18	D250	
28	SGAIEI1120	18 ½	1.12	D250	
29	SGAIEI1100	18 ½	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.



ENAMELLED COPPER WIRES

KIN COPPER ELECTRIC

ESSEX (GP/MR) 200°C

Modified Polyester/Polyamide Imide Coated Enamelled Copper Wire, Class H 200˚C IEC 60317, JIS C3202, NEMA 35-C

No.	Stock Code	SWG	MM	Packing	Price/Kg (RM)
1	SAIEI3200	10	3.20	PT25	
2	SAIEI3000	10 ½	3.00	PT25	
3	SAIEI2900	11	2.90	PT25	
4	SAIEI2800	11 ½	2.80	PT25	
5	SAIEI2600	12	2.60	PT25	
6	SAIEI2500	12 ½	2.50	PT25	
7	SAIEI2300	13	2.30	PT25	
8	SAIEI2100	13 ½	2.10	PT25	
9	SAIEI2000	14	2.00	PT25	
10	SAIEI1900	14 ½	1.90	PT25	
11	SAIEI1800	15	1.80	PT25	
12	SAIEI1700	15 ½	1.70	PT25	
13	SAIEI1600	16	1.60	PT25	
14	SAIEI1500	16 ½	1.50	PT25	
15	SAIEI1450	16 ½	1.45	PT25	
16	SAIEI1400	17	1.40	PT25	
17	SAIEI1300	17 ½	1.30	PT25	
18	SAIEI1250	18	1.25	PT25	
19	SAIEI1200	18	1.20	PT25	
20	SAIEI1150	18 ½	1.15	PT25	
21	SAIEI1100	18 ½	1.10	PT25	
22	SAIEI1050	19	1.05	PT25	
23	SAIEI1000	19	1.00	PT25	
24	SAIEI0950	19 ½	0.95	PT25	
25	SAIEI0900	20	0.90	PT25	
26	SAIEI0850	20 ½	0.85	PT25	
27	SAIEI0800	21	0.80	PT25	
28	SAIEI0750	21 ½	0.75	PT25	
29	SAIEI0700	22	0.70	PT25	
30	SAIEI0670	22 ½	0.67	PT25	
31	SAIEI0650	22 ½	0.65	PT25	
32	SAIEI0600	23	0.60	PT25	
33	SAIEI0550	24	0.55	PT25	
34	SAIEI0500	25	0.50	PT25	
35	SAIEI0450	26	0.45	PT25	
36	SAIEI0400	27	0.40	PT25	
37	SAIEI0370	28	0.37	PT25	
38	SAIEI0350	29	0.35	PT25	
39	SAIEI0320	30	0.32	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.



ENAMELLED COPPER WIRES

ESSEX (GP/MR) 200°C

Modified Polyester/Polyamide Imide Coated Enamelled Copper Wire, Class H 200˚C IEC 60317, JIS C3202, NEMA 35-C

No.	Stock Code	SWG	MM	Packing	Price/Kg (RM)
40	SAIEI0300	30 ½	0.30	PT25	
41	SAIEI0290	31	0.29	PT25	
42	SAIEI0270	32	0.27	PT25	
43	SAIEI0250	33	0.25	PT25	
44	SAIEI0230	34	0.23	PT25	
45	SAIEI0210	35	0.21	PT25	
46	SAIEI0200	35 ½	0.20	PT25	
47	SAIEI0190	36	0.19	PT25	
48	SAIEI0170	37	0.17	PT25	
49	SAIEI0150	38	0.15	PT25	
50	SAIEI0100	42	0.10	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.



ENAMELLED RECTANGULAR COPPER WIRES

KIN COPPER ELECTRIC

TCT (Korea)

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

No.	Stock Code	Sizes	Packing	Price/Kg (RM)
1	INV150050	1.50MM 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	INV280050	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	INV320060	3.20MM X 6.00MM	D355	
23	INV320080	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	INV350080	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.



ENAMELLED ALUMINIUM WIRES

GAUGE/JINGXUN 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	SALG4500	7	4.50	PT90	
2	SALG4000	8	4.00	PT90	
3	SALG3600	8 ½	3.60	PT90	
4	SALG3500	9	3.50	PT90	
5	SALG3200	10	3.20	PT90	
6	SALG3000	10 ½	3.00	PT90	
7	SALG2800	11 ½	2.80	PT60	
8	SALG2600	12	2.60	PT60	
9	SALG2500	12 ½	2.50	PT60	
10	SALG2300	13	2.30	PT60	
11	SALG2100	13 ½	2.10	PT60	
12	SALG2000	14	2.00	PT60	
13	SALG1900	14 ½	1.90	PT60	
14	SALG1800	15	1.80	PT60	
15	SALG1750	15 ½	1.75	PT60	
16	SALG1700	15 ½	1.70	PT60	
17	SALG1600	16	1.60	PT60	
18	SALG1500	16 ½	1.50	PT60	
19	SALG1400	17	1.40	PT25	
20	SALG1300	17 ½	1.30	PT25	
21	SALG1250	18	1.25	PT25	
22	SALG1200	18	1.20	PT25	
23	SALG1100	18 ½	1.10	PT25	
24	SALG1000	19	1.00	PT25	
25	SALG0950	19 ½	0.95	PT25	
26	SALG0900	20	0.90	PT25	
27	SALG0850	20 ½	0.85	PT25	
28	SALG0800	21	0.80	PT25	
29	SALG0750	21 ½	0.75	PT25	
30	SALG0700	22	0.70	PT25	
31	SALG0650	22 ½	0.65	PT25	
32	SALG0600	23	0.60	PT25	
33	SALG0550	24	0.55	PT25	
34	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.

COPPER STRIPS / TAPES

METROD /PM COPPER COPPER STRIPS

Soft Rectangular Copper Strips/Tape as per
BS EN 13601:2013 (Supersedes BS 1432:1987)

No.	Stock Code	Size (mm)	Packing (kg/reel)	Price/Kg (RM)
1	MET01601900	1.60MM X 19.00MM ($^1/_{16}$" X $^3/_4$")	± 60KGS	
2	MET01602500	1.60MM X 25.00MM ($^1/_{16}$" X 1")	± 60KGS	
3	MET03002500	3.00MM X 25.00MM ($^1/_8$" X 1")	± 60KGS	
4	MET05004000	5.00MM X 40.00MM ($^3/_{16}$" X 1½")	± 60KGS	
5	MET05005000	5.00MM X 50.00MM ($^3/_{16}$" X 2")	± 60KGS	
6	MET06002500	6.00MM X 25.00MM ($^1/_4$" X 1")	± 60KGS	
7	MET06005000	6.00MM X 50.00MM ($^1/_4$" 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.

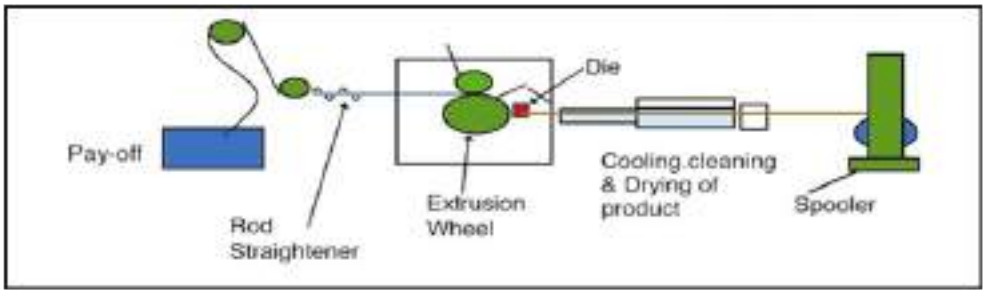




COMMON SIZES INFORMATION CHART

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

COPPER STRIP MANUFACTURING PROCESS ("CONFORM PROCESS")



* When frictional energy is applied to a ductile metal like copper, its temperature increases to form a plastic mass which can be continuously extruded out of die into the desired shape.
* Soft copper rod is fed to a rotating wheel and shoes assembly housing the extrusion die.
* The extreme pressures created with this arrangement leads to rise in temperature of the mass of copper in the die chamber to the plastic working range.
* This leads to continuous hot extrusion of a copper shape according to the die geometry.
* The emerging hot copper shape is then quenched, dried and spooled.

COPPER BUS BAR

KIN COPPER ELECTRIC

LUVATA
Partnerships beyond metals

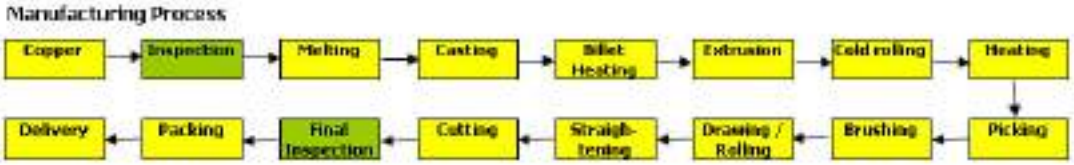
JIS H3140, C1100BB, BD – 1/2H (6M P/LTH) Slightly Round Edge Copper Bus Bar, 90° Bendable

No.	Stock Code	Size (mm)	Size (mm^2)	KGS Per/Lth	Amp	Amp Max	Price/Kg (RM)
1	SBB06020	6 x 20	120	6.48	186.00	210.00	
2	SBB06025	6 x 25	150	8.10	232.50	262.50	
3	SBB06030	6 x 30	180	9.72	279.00	315.00	
4	SBB06032	6 x 32	192	10.36	297.60	336.00	
5	SBB06038	6 x 38	228	12.31	353.40	399.00	
6	SBB06040	6 x 40	240	12.96	372.00	420.00	
7	SBB06045	6 x 45	270	14.58	418.50	472.50	
8	SBB06050	6 x 50	300	16.20	465.00	525.00	
9	SBB06060	6 x 60	360	19.44	558.00	630.00	
10	SBB06065	6 x 65	390	21.06	604.50	682.50	
11	SBB06075	6 x 75	450	24.30	697.50	787.50	
12	SBB06080	6 x 80	480	25.92	744.00	840.00	
13	SBB06100	6 x 100	600	32.40	930.00	1,050.00	
14	SBB06125	6 x 125	750	40.50	1,162.50	1,312.50	
15	SBB06150	6 x 150	900	48.60	1,395.00	1,575.00	
16	SBB08050	8 x 50	400	21.60	620.00	700.00	
17	SBB08100	8 x 100	800	43.20	1,240.00	1,400.00	
18	SBB10025	10 x 25	250	13.50	387.50	437.50	
19	SBB10030	10 x 30	300	16.20	465.00	525.00	
20	SBB10040	10 x 40	400	21.60	620.00	700.00	
21	SBB10045	10 x 45	450	24.30	697.50	787.50	
22	SBB10050	10 x 50	500	27.00	775.00	875.00	
23	SBB10055	10 x 55	550	29.70	852.50	962.50	
24	SBB10060	10 x 60	600	32.40	930.00	1,050.00	
25	SBB10065	10 x 65	650	35.10	1,007.50	1,137.50	
26	SBB10075	10 x 75	750	40.50	1,162.50	1,312.50	
27	SBB10080	10 x 80	800	43.20	1,240.00	1,400.00	
28	SBB10085	10 x 85	850	45.90	1,317.50	1,487.50	
29	SBB10100	10 x 100	1000	54.00	1,550.00	1,750.00	
30	SBB10110	10 X 110	1100	59.40	1,705.00	1,925.00	
31	SBB10120	10 X 120	1200	64.80	1,860.00	2,100.00	
32	SBB10125	10 x 125	1250	67.50	1,937.50	2,187.50	
33	SBB10130	10 X 130	1300	70.20	2,015.00	2,275.00	
34	SBB10150	10 x 150	1500	81.00	2,325.00	2,625.00	

* Copper bus bars are manufactured by rolling, boasting consistency, ductility and fine surface sheen.

* Copper bus bar are in use for the rotor coil of nuclear turbine generators and rotor machines, and are essential materials for electric distribution panel and switch bars.





COPPER BUS BAR

KIN COPPER ELECTRIC

LUVATA
Partnerships beyond metals

JIS H3140, C1100BB, BD – 1/2H (6M P/LTH) Slightly Round Edge Copper Bus Bar, 90° Bendable

No.	Stock Code	Size (mm)	Size (mm^2)	KGS P/Lth	Amp	Amp Max	Price/kg (RM)
1	SBB03025	3 x 25 **	75	4.05	116.25	131.25	
2	SBB05015	5 x 15 **	75	4.05	116.25	131.25	
3	SBB05020	5 x 20 **	100	5.40	155.00	175.00	
4	SBB05025	5 x 25 **	125	6.75	193.75	218.75	
5	SBB05030	5 x 30 **	150	8.10	232.50	262.50	
6	SBB05040	5 x 40 **	200	10.80	310.00	350.00	
7	SBB05050	5 x 50 **	250	13.50	387.50	437.50	
8	SBB12045	12 x 45 **	540	29.16	837.00	945.00	
9	SBB12050	12 x 50 **	600	32.40	930.00	1,050.00	
10	SBB12055	12 x 55 **	660	35.64	1,023.00	1,155.00	
11	SBB12060	12 x 60 **	720	38.88	1,116.00	1,260.00	
12	SBB12075	12 x 75 **	900	48.60	1,395.00	1,575.00	

Remarks : ** Special Sizes requirement Min. Order 500Kgs/Size

* Copper bus bars are manufactured by rolling, boasting consistency, ductility and fine surface sheen.
* Copper bus bar are in use for the rotor coil of nuclear turbine generators and rotor machines, and are essential materials for electric distribution panel and switch bars.



Billet Heater | Billet Extrusion | OFHC Extruding Machine | Cold Rolling | Brushing & Rolling



Cutting | Acid dip & Water dip | Heating Furnace | Drawing & Rolling | Packing & Storage

NYVIN WIRES

KIN COPPER ELECTRIC

NISSEI NYVIN WIRES (Made In JAPAN)

Silicone Rubber Insulated Wire with Outer Fibre Glass Braiding

No.	Stock Code	Description	Size (mm^2)	Amps (A)	Price/100 M (RM)
1	NW00050	0.50MM NYVIN WIRE (KURABE)	0.50	11.5	
2	NW00075	0.75MM NYVIN WIRE (KURABE)	0.75	11.5	
3	NW00100	1.00MM NYVIN WIRE (NISSEI)	1.00	15.0	
4	NW00100B	1.00MM NYVIN WIRE (KURABE)(BLUE)	1.00	15.0	
5	NW00100R	1.00MM NYVIN WIRE (KURABE)(RED)	1.00	15.0	
6	NW00125	1.25MM NYVIN WIRE (KURABE)	1.25	17.5	
7	NW00150	1.50MM NYVIN WIRE (NISSEI)	1.50	17.5	
8	NW00200	2.00MM NYVIN WIRE (NISSEI)	2.00	25.0	
9	NW00250	2.50MM NYVIN WIRE (NISSEI)	2.50	25.0	
10	NW00300	3.00MM NYVIN WIRE (KURABE)	3.00	30.0	
11	NW00350	3.50MM NYVIN WIRE (NISSEI)	3.50	35.0	
12	NW00550	5.50MM NYVIN WIRE (NISSEI)	5.50	50.0	
13	NW00800	8.00MM NYVIN WIRE (NISSEI)	8.00	62.0	
14	NW01000	10.00MM NYVIN WIRE (NISSEI)	10.00	68.0	
15	NW01200	12.00MM NYVIN WIRE (NISSEI)	12.00	72.0	
16	NW01400	14.00MM NYVIN WIRE (NISSEI)	14.00	85.0	
17	NW01600	16.00MM NYVIN WIRE (NISSEI)	16.00	95.0	
18	NW02200	22.00MM NYVIN WIRE (NISSEI)	22.00	130.0	
19	NW03000	30.00MM NYVIN WIRE (NISSEI)	30.00	160.0	
20	NW03800	38.00MM NYVIN WIRE (NISSEI)	38.00	195.0	
21	NW05000	50.00MM NYVIN WIRE (NISSEI)	50.00	210.0	
22	NW06000	60.00MM NYVIN WIRE (KURABE)	60.00	220.0	
23	NW07000	70.00MM NYVIN WIRE (KURABE)	70.00	230.0	
24	NW08000	80.00MM NYVIN WIRE (NISSEI)	80.00	260.0	
25	NW10000	100.00MM NYVIN WIRE (KURABE)	100.00	300.0	
26	NW12500	125.00MM NYVIN WIRE (KURABE)	125.00	425.0	
27	NW15000	150.00MM NYVIN WIRE (KURABE)	150.00	500.0	



* Silicone Fibre Glass braided wire is an excellent material in terms of heat resistance, cold resistance and flexibility.
* These glass-woven silicone rubber insulated electrical wires are represented by LKGB of JIS. Their voltage rating ranges 600V, 1500V, 3300V to6600V. Size range from 0.75mm^2 to 250mm^2 which approved by UL and CSA.
* Applications: These wires are use in automotive parts for heat resistance (up to 180°C) and cold resistance (-60°C). These are also available for use in the lead wiring of heavy electrical equipment, dry-type transformers, and other industrial equipment (vehicles and ships).

ECOFLEX NYVIN WIRE (Taiwan)

Silicone Rubber Insulated Wire with Outer Fibre Glass Braiding 200°C

No.	Stock Code	Description	Size (mm^2)	Amps (A)	Price/100 M (RM)
1	NWE0050	0.50MM ECOFLEX SILICONE NYVIN WIRE	0.50	13.0	
2	NWE0075	0.75MM ECOFLEX SILICONE NYVIN WIRE	0.75	15.0	
3	NWE0100	1.00MM ECOFLEX SILICONE NYVIN WIRE	1.00	19.0	
4	NWE0150	1.50MM ECOFLEX SILICONE NYVIN WIRE	1.50	23.0	
5	NWE0200	2.00MM ECOFLEX SILICONE NYVIN WIRE	2.00	32.0	
6	NWE0250	2.50MM ECOFLEX SILICONE NYVIN WIRE	2.50	38.0	

NYVIN WIRES

KIN COPPER ELECTRIC

ECOFLEX **ECOFLEX NYVIN WIRE (Taiwan)**

Silicone Rubber Insulated Wire with Outer Fibre Glass Braiding 200°C

No.	Stock Code	Description	Size (mm^2)	Amps (A)	Price/100 M (RM)
7	NWE0300	3.00MM ECOFLEX SILICONE NYVIN WIRE	3.00	40.0	
8	NWE0350	3.50MM ECOFLEX SILICONE NYVIN WIRE	3.50	43.0	
9	NWE0400	4.00MM ECOFLEX SILICONE NYVIN WIRE	4.00	45.0	
10	NWE0550	5.50MM ECOFLEX SILICONE NYVIN WIRE	5.50	56.0	
11	NWE0800	8.00MM ECOFLEX SILICONE NYVIN WIRE	8.00	75.0	
12	NWE1000	10.00MM ECOFLEX SILICONE NYVIN WIRE	10.00	82.0	
13	NWE1200	12.00MM ECOFLEX SILICONE NYVIN WIRE	12.00	90.0	
14	NWE1400	14.00MM ECOFLEX SILICONE NYVIN WIRE	14.00	98.0	
15	NWE1600	16.00MM ECOFLEX SILICONE NYVIN WIRE	16.00	109.0	
16	NWE2200	22.00MM ECOFLEX SILICONE NYVIN WIRE	22.00	120.0	
17	NWE3000	30.00MM ECOFLEX SILICONE NYVIN WIRE	30.00	150.0	
18	NWE3800	38.00MM ECOFLEX SILICONE NYVIN WIRE	38.00	166.0	
19	NWE5000	50.00MM ECOFLEX SILICONE NYVIN WIRE	50.00	208.0	
20	NWE7000	70.00MM ECOFLEX SILICONE NYVIN WIRE	70.00	251.0	

SPECIFICATION

ECOFLEX

0.5~150mm² 200°C 600V / 1000V FIBERGLASS BRAIDED SILICONE INSULATED WIRE

Description:
Fiberglass braided silicone insulated wire. Ideal for applications in environments where temperatures are either high or low, these cables work between -60°C to +200°C.

Application:
This wire is well suited for internal wiring, engines, electrical motors and other rotating and static machines.
It is used for high mechanical stress, as the fibreglass braiding protects the silicone insulation from mechanical damages.
Good resistance to thermal shock and heat resistant.



Construction:
1 ..... Fine-stranded tin plated copper
2 ..... Extruded silicone insulation
3 ..... Fibreglass braiding with silicone resin coating

Technical data:

Nominal voltage	600 / 1000 Volt
Operating temperature	-60°C till +200°C
Test voltage	1500V/min

CONSTRUCTION

Conductor		Insulation		Fiberglass Braided		Nominal	Conductor	Max. Amps
Size	Construction	Nom. Thk.	Diameter	Nom. Thk.	Diameter	Voltage	Resistance	At 40°C
mm²	No./mm	mm	mm	mm	mm	V (Uo/U)	Ω/KM (20°C)	Amps
0.5	20/0.18±0.01	0.38	1.70±0.30	0.20	2.10±0.30	300/500	40.1	13
0.75	30/0.18±0.01	0.38	1.90±0.30	0.20	2.30±0.30	300/500	26.7	15
1.0	40/0.18±0.01	0.38	2.10±0.30	0.20	2.50±0.30	300/500	20.0	19
1.25	50/0.18±0.01	0.38	2.20±0.30	0.20	2.60±0.30	300/500	16.0	21
1.5	59/0.18±0.01	0.38	2.40±0.30	0.20	2.80±0.30	300/500	13.7	23
2.0	37/0.26±0.01	0.51	2.80±0.30	0.20	3.20±0.30	300/500	10.0	32
2.5	47/0.26±0.01	0.51	3.10±0.30	0.20	3.50±0.30	300/500	8.21	38
3.0	37/0.32±0.01	0.51	3.30±0.30	0.20	3.70±0.30	300/500	6.84	40
3.5	44/0.32±0.01	0.76	4.00±0.30	0.25	4.50±0.30	300/500	5.70	43
4.0	50/0.32±0.01	0.76	4.10±0.30	0.25	4.60±0.30	300/500	5.09	45
5.0	32/0.45±0.01	0.76	4.50±0.30	0.25	4.90±0.30	300/500	4.07	49
5.5	35/0.45±0.01	0.76	4.60±0.30	0.25	5.10±0.50	300/500	3.70	56
8.0	50/0.45±0.01	0.76	5.20±0.30	0.25	5.70±0.50	300/500	2.60	75
10	63/0.45±0.01	0.90	5.90±0.30	0.25	6.40±0.50	300/500	1.95	82
12	74/0.45±0.01	0.90	7.00±0.50	0.25	7.50±0.50	300/500	1.48	90
14	88/0.45±0.01	1.00	7.60±0.50	0.25	8.10±0.50	300/500	1.19	98
16	98/0.45±0.01	1.00	7.80±0.50	0.25	8.30±0.50	300/500	1.11	109
22	140/0.45±0.01	1.50	10.0±0.50	0.25	10.5±0.50	600/1000	0.89	120
30	189/0.45±0.01	1.60	11.3±0.80	0.25	11.8±0.80	600/1000	0.65	150
38	238/0.45±0.01	1.80	12.7±0.80	0.25	13.2±0.80	600/1000	0.51	166
50	304/0.45±0.01	1.80	14.0±0.80	0.25	14.5±0.80	600/1000	0.35	208
60	380/0.45±0.01	1.80	15.2±0.80	0.25	15.7±0.80	600/1000	0.30	230
70	437/0.45±0.01	1.80	16.1±0.80	0.25	16.6±0.80	600/1000	0.25	251
80	513/0.45±0.01	2.00	17.5±0.80	0.25	18.0±0.80	600/1000	0.22	270
100	627/0.45±0.01	2.20	19.4±0.80	0.25	19.9±0.80	600/1000	0.18	330
150	740/0.50±0.01	2.40	22.9±0.80	0.25	23.4±0.80	600/1000	0.12	414

ECOFLEX ECOFLEX SILICONE RUBBER WIRE

KIN COPPER ELECTRIC

600V/ 1000V SILICONE RUBBER (STRANDED COPPER TIN COATED) 180°C

No.	Stock Code	Description	Size (mm^2)	Price/100 MTR (RM)	Amps (A)
1	NWER00050	0.50MM ECOFLEX SILICON RUBBER WIRE (TINNED)	0.50		13
2	NWER00100	1.00MM ECOFLEX SILICON RUBBER WIRE (TINNED)	1.00		19
3	NWER00150	1.50MM ECOFLEX SILICON RUBBER WIRE (TINNED)	1.50		23
4	NWER00200	2.00MM ECOFLEX SILICON RUBBER WIRE (TINNED)	2.00		32
5	NWER00250	2.50MM ECOFLEX SILICON RUBBER WIRE (TINNED)	2.50		38
6	NWER00300	3.00MM ECOFLEX SILICON RUBBER WIRE (TINNED)	3.00		40
7	NWER00350	3.50MM ECOFLEX SILICON RUBBER WIRE (TINNED)	3.50		43
8	NWER00400	4.00MM ECOFLEX SILICON RUBBER WIRE (TINNED)	4.00		45
9	NWER00550	5.50MM ECOFLEX SILICON RUBBER WIRE (TINNED)	5.50		56
10	NWER00800	8.00MM ECOFLEX SILICON RUBBER WIRE (TINNED)	8.00		75
11	NWER01200	12.00MM ECOFLEX SILICON RUBBER WIRE (TINNED)	12.00		90
12	NWER01600	16.00MM ECOFLEX SILICON RUBBER WIRE (TINNED)	16.00		109
13	NWER02500	25.00MM ECOFLEX SILICON RUBBER WIRE (TINNED)	25.00		130
14	NWER03500	35.00MM ECOFLEX SILICON RUBBER WIRE (TINNED)	35.00		160
15	NWER05000	50.00MM ECOFLEX SILICON RUBBER WIRE (TINNED)	50.00		208
16	NWER07000	70.00MM ECOFLEX SILICON RUBBER WIRE (TINNED)	70.00		251

SPECIFICATION

ECOFLEX

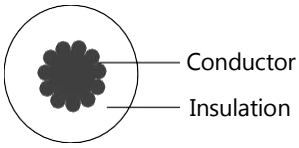
SPEC NO.: **FM-E-D24121204A**

0.5~95mm² 180°C 600V/1000V Silicone Rubber Wire

DESCRIPTION
PRODUCT: Silicone Insulated Wire
SIZE: 0.5 ~ 95mm²

FEATURE
VOLTAGE RATING: 600/1000V
TEMPERATURE RANGE: -60~180°C

STRUCTURE
CONDUCTOR MATERIAL: Tinned Copper
INSULATION MATERIAL: Silicone Rubber
INSULATION COLOR: Black
CABLE MARKING: **ECOFLEX 600V/1000V SILICONE RUBBER (STRANDED COPPER TIN COATED) 180°C **MM2X1C**
REMARK: (**) represents conductor size, e.g. if 1.5mm², then (**) will be 1.5
CABLE MARKING INK COLOR: Ink color as per factory standard.



CONSTRUCTION

Conductor		Insulation		Max. Conductor	Test	Max. Amps
Size	Construction	Nom. Thickness	Diameter	Resistance 20°C	Voltage	At 40°C
mm²	No./mm	mm	mm	Ω/KM	V/min	Amps
0.5	20/0.18±0.01	0.76	2.50±0.30	40.1	1500	13
0.75	30/0.18±0.01	0.76	2.70±0.30	26.7	1500	15
1.0	40/0.18±0.01	0.76	2.80±0.30	20.0	1500	19
1.5	59/0.18±0.01	0.76	3.20±0.30	13.7	1500	23
2.0	37/0.26±0.01	0.76	3.40±0.30	10.0	1500	32
2.5	47/0.26±0.01	0.76	3.60±0.30	8.21	1500	38
3.0	37/0.32±0.01	0.76	3.80±0.30	6.79	1500	40
3.5	44/0.32±0.01	0.76	4.00±0.30	5.82	1500	43
4.0	50/0.32±0.01	0.76	4.10±0.30	5.09	1500	45
5.5	35/0.45±0.01	1.14	5.40±0.30	3.70	1500	56
6.0	38/0.45±0.01	1.14	5.50±0.30	3.39	1500	58
8.0	50/0.45±0.01	1.14	6.00±0.30	2.60	1500	75
10	63/0.45±0.01	1.4	6.90±0.30	1.95	1500	82
12	74/0.45±0.01	1.4	7.30±0.30	1.63	1500	90
14	88/0.45±0.01	1.4	8.20±0.50	1.39	1500	98
16	7*14/0.45±0.01	1.4	8.60±0.50	1.11	1500	109
22	7*20/0.45±0.01	1.5	10.0±0.50	0.89	1500	120
25	7*23/0.45±0.01	1.5	10.5±0.50	0.78	1500	130
30	7*27/0.45±0.01	1.6	11.3±0.80	0.65	1500	150
35	7*31/0.45±0.01	1.8	12.4±0.80	0.565	1500	160
38	7*34/0.45±0.01	1.8	12.7±0.80	0.51	1500	166
50	19*16/0.45±0.01	1.8	14.0±0.80	0.35	1500	208
70	19*23/0.45±0.01	1.8	16.0±0.80	0.25	1500	251
95	19*32/0.45±0.01	2.2	19.1±0.80	0.21	1500	288

REVISION HISTORY			CUSTOMER APPROVAL	
9/7/2025	A/0	Initial release.	**CUSTOMER**	KIN COPPER ELECTRIC SDN BHD
			CUS. PART NO.	
			DATE	
			APPROVED BY	
Prepared By	AN LEE	Page	**COMPANY STAMP**	
Reviewed By	STAN	1 of 1		

FLEXIBLE CORD

KIN COPPER ELECTRIC

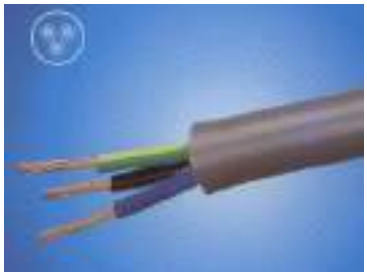
FAJAR PVC/PVC FLEXIBLE CORE 300/500V (GREY)/(WHITE) (SIRIM QAS CERT. TO MS 2112-5 60227 IEC 53 H05VV-F)

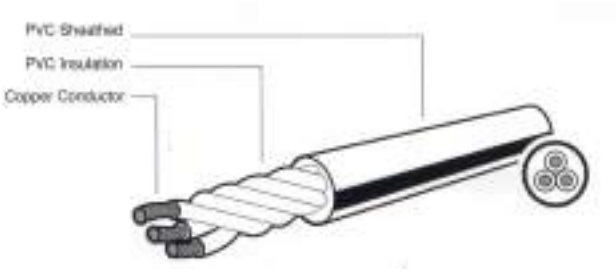
No.	Stock Code	Metric Sizes (mm²)	Cores	Meter	Price/90M
1	-	0.50mm²	3	90 Mtr	
2	-	0.75mm²	3	90 Mtr	
3	-	1.00mm²	3	90 Mtr	
4	-	1.50mm²	3	90 Mtr	
5	-	2.50mm²	3	90 Mtr	
6	-	4.00mm²	3	90 Mtr	
7	-	1.00mm²	4	90 Mtr	
8	-	1.50mm²	4	90 Mtr	
9	-	2.50mm²	4	90 Mtr	
10	-	4.00mm²	4	90 Mtr	
11	-	1.00mm²	5	90 Mtr	
12	-	1.50mm²	5	90 Mtr	
13	-	2.50mm²	5	90 Mtr	
14	-	4.00mm²	5	90 Mtr	

IMPERIAL			METRIC			
No./Diameter of Wire (in)	Current Rating (amps)	Cross Sectional Area (mm²)	Cross Sectional Area (mm²)	Current Rating (amps) 1ø	Current Rating (amps) 3ø	No./Diameter of Wire (in)
			0.50	3	3	16/0.20
23/.0076	6	0.67				
			0.75	6	6	24/0.20
			1.00	10	10	32/.020
40/.0076	13	1.17				
			1.50	16	16	30/.025
70/.0076	18	2.05				
			2.50	25	20	50/0.25
110/.0076	24	3.21				
			4.00	32	25	56/0.30
162/.0076	31	4.74				

* Each of the Polyvinyl Chloride (PVC) insulated core (comprising strands of Class 5 flexible plain annealed copper conductor) is sheathed within another layer of PVC.(SIRIM QAS CERT. TO MS 2112-5 60227 IEC 53 H05VV-F)
* Colour of each core differs according to the number of cores as follows: -
  3 Cores – Brown, blue and green/yellow
  4 Cores – Brown, blue, black and green/yellow
* Applications: Suitable for household equipments, power and lighting purposes.

* These cable are made of Copper Cladded Aluminium conductor instead of conventional Copper conductor.
  This is a Non-Fajar Cable Brand Flexible Cable.





TRS & AUTO CABLES

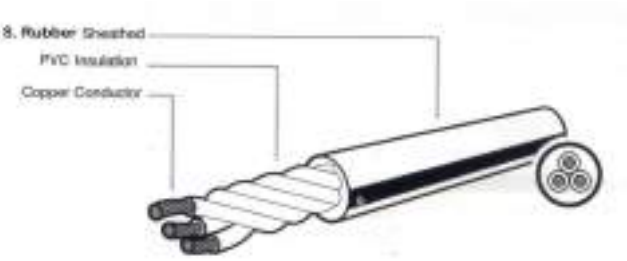
FAJAR PVC INSULATED SYNTHETIC RUBBER SHEATHED FLEXIBLE CABLES (BLACK) 300/500V

(SIRIM QAS CERT. TO MS 2112-5 60227 IEC 53 H05VV-F)

No.	Stock Code	Metric Sizes (mm²)	Cores	Meter	Price/90M
1	-	1.00mm²	3	100 Mtrs	
2	-	1.50mm²	3	100 Mtrs	
3	-	2.50mm²	3	100 Mtrs	
4	-	4.00mm²	3	100 Mtrs	
5	-	1.00mm²	4	100 Mtrs	
6	-	1.50mm²	4	100 Mtrs	
7	-	2.50mm²	4	100 Mtrs	
8	-	4.00mm²	4	100 Mtrs	
9	-	1.00mm²	5	100 Mtrs	
10	-	1.50mm²	5	100 Mtrs	
11	-	2.50mm²	5	100 Mtrs	
12	-	4.00mm²	5	100 Mtrs	

* Each of the PVC insulated core (comprising strands of Class 5 flexible plain annealed copper conductor) is sheathed within another layer of Synthetic Rubber.
  (SIRIM QAS CERT. TO MS 2112-5 60227 IEC 53 H05VV-F)
* Colour of each core differs according to the number of cores as follows: -
  3 Cores – Brown, blue and green/yellow
  4 Cores – Brown, blue, black and green/yellow.
  5 Cores – Brown, blue, black, white and green/yellow.
* Applications: Suitable for household equipments, power and lighting purposes.





FAJAR PVC AUTO CABLES – SINGLE CORE

No.	Stock Code	Size (No/MM)	Colour	Meter	Price/Roll
1	-	14/026	R,Y,B,Bk,G,Br	30 Mtrs	
2	-	28/026	R,Y,B,Bk,G,Br	30 Mtrs	
3	-	35/026	R,Y,B,Bk,G,Br	30 Mtrs	
4	-	44/026	R,Y,B,Bk,G,Br	30 Mtrs	
5	-	65/026	R,Y,B,Bk,G,Br	30 Mtrs	
6	-	100/026	R,Y,B,Bk,G,Br	50 Mtrs	

* Colour available: Red, Yellow, Blue Black, Green & Brown.

SYNTHETIC RUBBER FLEXIBLE CORD

300/500V
70°C

FAJAR CABLES SDN. BHD.



CONSTRUCTION

Conductor	Finely stranded annealed copper conductor according to IEC 60228, class 5
Insulation	PVC compound
Insulation colour	

Number of cores	Colour of cores
2	BU BR
3	GN/YE BU BR
4	GN/YE BR BL GR
5	GN/YE BU BR BL GR

Sheath	Synthetic Rubber
Sheath colour	Black

TECHNICAL DATA

Temperature range	-5 °C up to 70°C
Nominal voltage	300/500V
Test voltage	2kV/15min
Behaviour in fire	Flame retardant(self-extinguishing) according to IEC 60332-1-2
Absence of harmful substances	RoHS compliant

SYNTHETIC RUBBER FLEXIBLE CORD

300 / 500V 70°C

FAJAR CABLES SDN. BHD.

Cross-sectional view	Number and nominal cross-sectional area of conductors	Thickness of insulation Specified value	Thickness of Sheath Specified value	Approx. Overall diameter
	no./mm²	mm	mm	mm
	2 x 0.75	0.80	1.30	8.10
	2 x 1	0.80	1.30	8.40
	2 x 1.5	0.80	1.50	9.40
	2 x 2.5	0.90	1.70	11.10
	2 x 4	1.00	1.80	12.80
	2 x 6	1.10	2.15	14.90
	3 x 0.75	0.80	1.40	8.70
	3 x 1	0.80	1.40	9.10
	3 x 1.5	0.80	1.60	10.10
	3 x 2.5	0.90	1.80	11.90
	3 x 4	1.00	1.90	13.70
	3 x 6	1.10	2.30	16.00
	4 x 0.75	0.80	1.50	9.60
	4 x 1	0.80	1.50	10.00
	4 x 1.5	0.80	1.70	11.10
	4 x 2.5	0.90	1.90	13.10
	4 x 4	1.00	2.00	15.10
	4 x 6	1.10	2.40	17.60
	5 x 0.75	0.80	1.60	10.60
	5 x 1	0.80	1.60	11.10
	5 x 1.5	0.80	1.80	12.20
	5 x 2.5	0.90	2.00	14.40
	5 x 4	1.00	2.10	16.60
	5 x 6	1.10	2.50	19.30

INSULATION & THERMAL MATERIALS

DUPONT NOMEX® Aramid (Aromatic Polyamide) (UL)

Paper Type 410; Class H

No.	Stock Code	Size (MM)	Thermal Index	Width (MM)	Packing (KGS)	Price/Kg (RM)
1	PNPT005	0.05	220˚C	914	± 50	
2	PNPT018	0.18	220˚C	914	± 50	
3	PNPT025	0.25	220˚C	914	± 50	
4	PNPT030	0.30	220˚C	914	± 50	
5	PNPT038	0.38	220˚C	914	± 50	



* Nomex® T410 is the original form of Dupont Nomex® paper. Apart from having high inherent dielectric strength, mechanical toughness, flexibility and resilience, it also displays high temperature resistance against flame and heat up to 220°C. Chemically, Nomex® is an aromatic polyamide andis generally known as an aramid.
* Applications: Nomex® T410 is widely used in a majority of electrical equipment application, and is used in almost every known sheet electrical application.
* Disclaimer: Nomex® is a Dupont™ registered trademark.

DUPONT NOMEX® MYLAR®/NOMEX® COMPOSITE (UL)

Nomex® Laminate Type NMN; Class F

No.	Stock Code	Size (MM)	Width (MM)	Packing (KGS)	Price/Kg (RM)
1	PNMN018	0.18	914	± 50	
2	PNMN020	0.20	914	± 50	
3	PNMN025	0.25	914	± 50	
4	PNMN030	0.30	914	± 50	
5	PNMN035	0.35	914	± 50	
6	PNMN050	0.50	914	± 50	

* NMN insulating paper is a flexible, three layer composite using DuPont Nomex® Aramid (Aromatic Polyamide) paper on both sided of the polyester film (Mylar®), bonded together with a high temperature adhesive system. This laminate is designed not to delaminate or blister at high temperature.
* Applications: This three-ply laminate contributes high dielectric strength, as well as good initial tear strength and tensile properties, making it well suited to be used as slot liners, wedges and phase insulation in motors and generators.
* Disclaimer: Nomex® is a Dupont™ registered trademark.

MetaMax ArMar (AR30)

Composite Laminated Paper Class F

No.	Stock Code	Size (MM)	Width (MM)	Packing (KGS)	Price (RM)
1	PNMNMETA020	0.20	1,000	± 50	
2	PNMNMETA025	0.25	1,000	± 50	
3	PNMNMETA030	0.30	1,000	± 50	
4	PNMNMETA035	0.35	1,000	± 50	



INSULATION & THERMAL MATERIALS

DMD Composite Insulation Paper Class F (UL)

No.	Stock Code	Size (MM)	Width (MM)	Packing (KGS)	Price/Kg (RM)
1	PDMD020	0.20	1,000	± 50	
2	PDMD025	0.25	1,000	± 50	
3	PDMD030	0.30	1,000	± 50	
4	PDMD035	0.35	1,000	± 50	



* DMD is a three layers composite paper made of polyester non-woven cloth that is laminated on both sides of the polyester paper. The resultant is a product that has good mechanical strength, dielectric properties and reliable heat adhesion.
* Applications: It is suitable for winding Class F electric motor in slot, phase or liner because of its flexibility and good resin absorption.
* Colour available: White & Pink.

POLYESTER FILM

Untreated Polyethylene Terephthalate Polyester Film (Milky White/Clear) - Class F

No.	Stock Code	Size (MM)	Width (MM)	Packing (KGS)	Price/Kg
1	PPF0125	0.125	1,000	± 50	
2	PPF0188	0.188	1,000	± 50	
3	PPF0250	0.250	1,000	± 50	
4	PPF0350	0.350	1,000	± 50	
5	PPF0500	0.500	1,000	± 50	



* This polyester film exhibits superior thermal ageing performance compared to normal polyester films.
* Applications: It is specially developed as an insulating material for rotating electrical machines and as electrical laminates.

BAKELITE / PHENOLIC SHEET

No.	Stock Code	Thickness (MM)	Size (FEET)	Weight/Sht	Price/Sht (RM)
1	MBS008	0.80	4′ X 4′	1.70 KGS	
2	MBS016	1.60	4′ X 4′	3.40 KGS	
3	MBS030	3.00	4′ X 4′	6.25 KGS	
4	MBS045	4.50	4′ X 4′	9.45 KGS	
5	MBS064	6.40	4′ X 4′	12.35 KGS	
6	MBS100	10.00	4′ X 4′	19.60 KGS	
7	MBS130	13.00	4′ X 4′	27.60 KGS	
8	MBS150	15.00	4′ X 4′	30.00 KGS	
9	MBS160	16.00	4′ X 4′	32.08 KGS	
10	MBS190	19.00	4′ X 4′	38.00 KGS	



* Bakelite is a high-pressure thermosetting industrial product. These phenolic resin based products are electrically nonconductive and heat resistant.
* Applications: It is manufactured in the forms of sheet, rod and tubes for hundreds of industrial applications in the electronics, power generation and aerospace industries.

INSULATION & THERMAL MATERIAL

YELLOW LEATHEROID PAPER (Made in China) CLASS B

No.	Stock Code	Size (MM)	Width (MM)	Packing (KGS)	Price/Kg (RM)
1	PYL013	0.13	1,000	± 100	
2	PYL018	0.18	1,000	± 100	
3	PYL025	0.25	1,000	± 100	
4	PYL038	0.38	1,000	± 100	
5	PYL050	0.50	1,000	± 100	



* These papers are made of a pressed form of a non-woven fabric of fibres from good and tough wood. Due to high chemical purity, thereby chemically neutral, pressboards are extremely well suited as an electrical insulating material.
* Applications: Manufactured under strict quality control, it is mainly used as insulation in electrical appliances, machineries, and power equipments.

YELLOW POLYESTER FILM LAMINATED PAPER (Made in China) Class F

No.	Stock Code	Size (MM)	Width (MM)	Packing (KGS)	Price/Kg (RM)
1	PYP013	0.13	1,000	± 50	
2	PYP018	0.18	1,000	± 50	
3	PYP025	0.25	1,000	± 50	
4	PYP035	0.35	1,000	± 50	
5	PYP050	0.50	1,000	± 50	



* The Yellow Polyester Paper is an electrical insulating material composed of polyethylene terepthalate film and electrical insulation paper bonded together by a special bonding machine.
* Applications: It possesses high insulation characteristics that are excellent for resistance toward heat, moisture and chemical.

GREEN POLYESTER FILM LAMINATED PAPER (Made in China) Class F

No.	Stock Code	Size (MM)	Width (MM)	Packing (KGS)	Price/Kg (RM)
1	PGP013	0.13	1,000	± 50	
2	PGP018	0.18	1,000	± 50	
3	PGP025	0.25	1,000	± 50	
4	PGP035	0.35	1,000	± 50	



* The Polyester Film Laminated Press Board is an electrical insulating material composed of polyethylene terepthalate film and electrical insulation paper bonded together by a special bonding machine.
* Applications: It possesses high insulation characteristics that are excellent for resistance toward heat, moisture and chemical.

INSULATION & THERMAL MATERIALS



GLASS VARNISH INSULATED SLEEVING VG201 (China)

Fibreglass Sleeving Coated with Polyvinyl Chloride Resin
(Class F 155°C, 1KV, 1.5KV)

No.	Stock Code	Diameter (MM)	Length (MTR)	Packing	Price/100MTR (RM)
1	SGV0080	0.80	100	Coils	
2	SGV0100	1.00	100	Coils	
3	SGV0150	1.50	100	Coils	
4	SGV0200	2.00	100	Coils	
5	SGV0250	2.50	100	Coils	
6	SGV0300	3.00	100	Coils	
7	SGV0350	3.50	100	Coils	
8	SGV0400	4.00	100	Coils	
9	SGV0500	5.00	100	Coils	
10	SGV0600	6.00	100	Coils	
11	SGV0700	7.00	100	Coils	
12	SGV0800	8.00	100	Coils	
13	SGV0900	9.00	100	Coils	
14	SGV1000	10.00	100	Coils	
15	SGV1100	11.00	100	Coils	
16	SGV1200	12.00	100	Coils	
17	SGV1300	13.00	50	Coils	
18	SGV1400	14.00	50	Coils	
19	SGV1600	16.00	50	Coils	
20	SGV1800	18.00	50	Coils	
21	SGV2000	20.00	50	Coils	
22	SGV2200	22.00	50	Coils	
23	SGV2300	23.00	50	Coils	
24	SGV2500	25.00	25	Coils	



EMPIRE GLASS SLEEVING VG202 (Made In China)

Fibreglass Sleeving Coated With Acrylic Resin, (Red & Black)
(Class F 155°C, 1.5 KV 2.5KV)

No.	Stock Code	Diameter (MM)	Colour	Length (MTR)	Packing	Price/100MTR (RM)
1	SEG_0080	0.80MM	Black, Red	100	Coils	
2	SEG_0100	1.00MM	Black, Red	100	Coils	
3	SEG_0150	1.50MM	Black, Red	100	Coils	
4	SEG_0200	2.00MM	Black, Red	100	Coils	
5	SEG_0250	2.50MM	Black, Red	100	Coils	
6	SEG_0300	3.00MM	Black, Red	100	Coils	
7	SEG_0350	3.50MM	Black, Red	100	Coils	
8	SEG_0400	4.00MM	Black, Red	100	Coils	
9	SEG_0500	5.00MM	Black, Red	100	Coils	
10	SEG_0600	6.00MM	Black, Red	100	Coils	
11	SEG_0700	7.00MM	Black, Red	100	Coils	
12	SEG_0800	8.00MM	Black, Red	100	Coils	
13	SEG_0900	9.00MM	Black, Red	50	Coils	
14	SEG_1000	10.00MM	Black, Red	50	Coils	
15	SEG_1200	12.00MM	Black, Red	50	Coils	

* VG201 is non-alkali fibreglass braided sleeving coated with polyvinyl chrloride resin possesses good qualities of dielectric, chemical resistance, excellent softness and elasticity.
* VG202 are braided with non-alkali fibreglass and coated with a layer of modified acrylic resin, thermosetted to form F grade insulating sleevings. It possesses good qualities of dielectric, fair softness and elasticity as well as being flame resistant.
* Applications: It is suitable to be used for wiring insulation and mechanical protection for electrical machineries, electric appliances and electrical instruments.

INSULATION & THERMAL MATERIALS



SILICONE COATED FIBRE GLASS SLEEVING (UL) (China)
Flame–retardant Silicone Varnished Fibreglass Sleeving (White)
(Class H 200˚C, 1.5 KV 2.5KV)

No.	Stock Code	Diameter (MM)	Length (MTR)	Packing	Price/100MTR (RM)
1	SFG0050	0.50	100	Coils	
2	SFG0080	0.80	100	Coils	
3	SFG0100	1.00	100	Coils	
4	SFG0150	1.50	100	Coils	
5	SFG0200	2.00	100	Coils	
6	SFG0250	2.50	100	Coils	
7	SFG0300	3.00	100	Coils	
8	SFG0350	3.50	100	Coils	
9	SFG0400	4.00	100	Coils	
10	SFG0450	4.50	100	Coils	
11	SFG0500	5.00	100	Coils	
12	SFG0600	6.00	100	Coils	
13	SFG0700	7.00	100	Coils	
14	SFG0800	8.00	50	Coils	
15	SFG0900	9.00	50	Coils	
16	SFG1000	10.00	50	Coils	
17	SFG1100	11.00	1	Lths	
18	SFG1200	12.00	1	Lths	
19	SFG1400	14.00	1	Lths	
20	SFG1600	16.00	1	Lths	
21	SFG1800	18.00	1	Lths	
22	SFG2000	20.00	1	Lths	
23	SFG2200	22.00	1	Lths	
24	SFG2300	23.00	1	Lths	
25	SFG2400	24.00	1	Lths	
26	SFG2500	25.00	1	Lths	
27	SFG3000	30.00	1	Lths	
28	SFG3500	35.00	1	Lths	

* These sleevings consist of closely woven fabric made from glass and coated with a silicone varnish. It is an excellent material in terms of heat resistance (up to 200°C) and electrical insulating property.
* Applications: It is suitable to be used as wiring insulator for H grade electrical machinery.



INSULATION & THERMAL MATERIALS

CHUKOH ADHESIVE TAPE (Japan)

Chukoh Glass Cloth Tape (AGF 100)

No.	Stock Code	Size (INCH)	Size (MM)	Thickness (MM)	Length (Meter)	Price/Coil (RM)
1	KJ1-CT-13M	½"	13	0.13	10	
2	KJ1-CT-19M	¾"	19	0.13	10	
3	KJ1-CT-25M	1"	25	0.13	10	
4	KJ1-CT-38M	1 ½"	38	0.13	10	
5	KJ1-CT-50M	2"	50	0.13	10	

* Chukoh tapes are made of a polymeric material that has unique characteristics such as water repellence, oil repellence and non-tackiness. Other characteristics include and anti-stick surface, permits continuous use over wide temperature range from low up to a high of 180°C and has excellent electrical insulation properties. Its non-sticky surface ensures that virtually all kinds of viscous substances such as plaster, resin and paint can be removed.
* Application: Main uses include lining of chutes and hoppers, covering of drier rolls used for non-woven cloth and paper, covering of heat sealing heater, insulation spacers and wrapping of wiring connections.
* Disclaimer: Chukoh Flo® is a Chukoh Chemical Industries Ltd. registered trademark.



YELLOW POLYESTER TAPE (Korea)

Class B (130˚C) Thermosetting Adhesive

No.	Stock Code	Size (INCH)	Size (MM)	Length (Meter)	Price/Coil (RM)
1	TYPT13	½"	13	50	
2	TYPT19	¾"	19	50	
3	TYPT25	1"	25	50	
4	TYPT50	1 ¼"	50	50	



* These tapes are made of polyester film coated with acrylic adhesive and display high dielectric strength, excellent adhesive power as well as good chemical and solvent resistance.
* Applications: For use as electrical insulation in all types of coils, transformers, motors, TV set and condenser for insulation.

INSULATION & THERMAL MATERIALS

COTTON TAPE (Non Adhesive) (Made In China)

No.	Stock Code	Size (INCH)	Size (MM)	Length (Meter)	Price/Coil (RM)
1	TCT13	½″	13	20	
2	TCT19	¾″	19	20	
3	TCT25	1″	25	20	
4	TCT38	1 ½″	38	20	
5	TCT50	2″	50	20	

* Applications: It is mainly used for winding and strapping of coils, motors and transformers.

FIBRE GLASS TAPE (Non Adhesive) Class H (Made In China)

No.	Stock Code	Size (INCH)	Size (MM)	Length (Meter)	Price/Coil (RM)
1	TFG13	½″	13	30	
2	TFG20	¾″	20	30	
3	TFG25	1″	25	30	

* Fibre Glass Tape is woven by electrical glass E-Glass yarns. It has high tensile strength and flame resistance. It is also characterized by good resistance to chemical and high temperature.
* Applications: It is suitable for fire-proof cable wrapping and insulating of electric machineries such as arc welder, electric motor and dry-tape transformer.

UK TYING CORD (Made In England)

No.	Stock Code	Description	Length (Meter)	Price (RM)
1	TC2	TC2	1000	
2	TCRT06	RT6	1000	
3	TCRT08	RT8	800	
4	TCRT22	RT22	250	

* Tying cords are made from special synthetic rayon, treated to produce a high tensile strength. The continuous fibres, which are particularly suited for wrapping around corners, are impregnated with a synthetic resin.
* Applications: Useful for lacing and binding coils ends and coils in electric motors and transformers.



POLYGLASS MOTOR / ARMATURE BANDING TAPE (Made in China)

No.	Stock Code	Size (INCH)	Size (MM)	Colour	Packing (Meter)	Price/Coil (RM)
1	TBT20	¾″	20	White	100	
2	TBT25	1″	25	White	100	

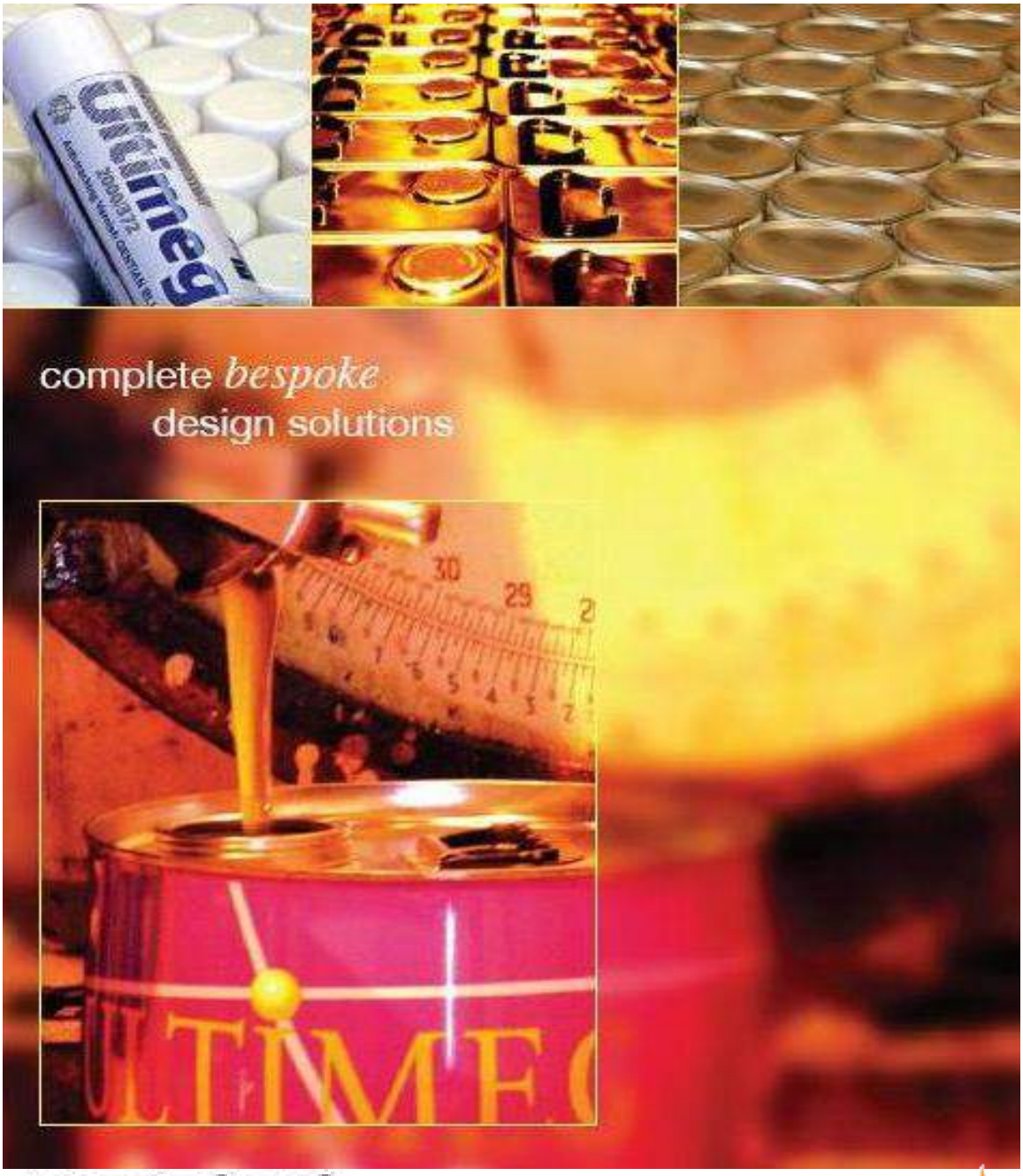
* These polyglass banding tapes are constructed of high tensile, moisture resistant glass yarn laid parallel, impregnated and bonded with polyester resin. They are supplied in 'B' stage, i.e. semi cured. After heat curing, i.e. in 'C' stage, the tape forms a hard, rigid and springy high tensile homogenous mixture of glass and resin which is void free. This cured mass greatly improves heat dissipation factor.
* Applications: They are used to replace steel banding of all types of armatures including traction motors, AC motors, coil of DC motor, large generators and banding of dry type & resin moulded type transformer.
* CAUTION: Due to its 'B' stage nature, polyglass tape should be stored in low temperature environment, and brought back to room temperature before use. Its shelf life is approximately 6 months at 20°C and 12 months at 10°C.





VARNISHES & RESINS

KIN COPPER ELECTRIC



Since 1849, the Kemp family has manufacture of varnishes and resins. Ever since then, they have developed their products with the development of the electrical industry itself.

In 1982, Mr.George Kemp established AEV Plc, which has now grown to service the electronic and electrical industry in over 75 countries worldwide.

Still family led , AEV is a quality driven company producing electrical insulating varnishes, resin and compounds for many internationally required customer. First class products, service and bespoke design solutions cater for customers' every need; creating "Qualities That Bond"

VARNISHES & RESINS

AEV ULTIMEG INSULATION VARNISH 2000/250 (UK)

Freon Resistant Epoxy Impregnating Varnish
Oven Cured (8 hrs @ 160˚C), Class H (180˚C)

No.	Stock Code	Description	Litres	Class	Price (RM)
1	V2505L	ULTIMEG 2000/250 (BAKE 150C) FREON RESISTANCE VARNISH	4.5 Ltr	H	

* This is a phenolic modified epoxy varnish, which produces tough chemically resistant insulating film with good bond strength at all operating temperatures up to Class H (180˚C). The cured product has exceptional resistance to chemical and moisture.
* Applications: Suitable to be used in hermetic and semi-hermetic systems containing Arcton and Freon refrigerants including R21, R22, R23, R32, R125, R134a, R407C, mineral oil and ester oil.

AEV ULTIMEG INSULATION VARNISH 2000/370 (UK)

H.F. Quick Cure Polyester Impregnating Varnish (Isonel 31-398-Equivalent)
Oven Cured (3 hrs @ 130˚C), Class H (180˚C) Clear / Golden

No.	Stock Code	Description	Litres	Class	Price (RM)
1	V370C200L	ULTIMEG 2000/370 IMPREGNATING CLEAR VARNISH	200 Ltr	H	
2	V370C25L	ULTIMEG 2000/370 IMPREGNATING CLEAR VARNISH	25 Ltr	H	
3	V370C18L	ULTIMEG 2000/370 IMPREGNATING CLEAR VARNISH	18 Ltr	H	
4	V370C5L	ULTIMEG 2000/370 IMPREGNATING CLEAR VARNISH	5 Ltr	H	

* This is a high flash, modified isopthalic alkyd, which produces tough resilient insulating films with good bond strength at all operating temperatures up to Class H (180˚C). Its quick curing characteristics and the ability to cure at lower temperatures allows operators optimum versatility in processing.
* Applications: A general purpose varnish for impregnation of transformers, chokes, relays and fields, together with most types of electric motors.



VARNISHES & RESINS

AEV ULTIMEG INSULATION VARNISH 2000/372 (UK)

Anti Tracking Varnish (Isonel 642 Equivalent)
Air Drying (24 - 48 hrs @ 21˚C; Full Cure), Class H (180˚C) Clear / Golden

No.	Stock Code	Description	Litres	Class	Price (RM)
1	V372C200L	ULTIMEG 2000/372 (AIR DRY) CLEAR ANTI TRACKING VARNISH	200 Ltr	F	
2	V372C18L	ULTIMEG 2000/372 (AIR DRY) CLEAR ANTI TRACKING VARNISH	18 Ltr	F	
3	V372C5L	ULTIMEG 2000/372 (AIR DRY) CLEAR ANTI TRACKING VARNISH	5 Ltr	F	
4	V372G200L	ULTIMEG 2000/372 (AIR DRY) GOLDEN ANTI TRACKING VARNISH	200 Ltr	F	
5	V372G18L	ULTIMEG 2000/372 (AIR DRY) GOLDEN ANTI TRACKING VARNISH	18 Ltr	F	
6	V372G5L	ULTIMEG 2000/372 (AIR DRY) GOLDEN ANTI TRACKING VARNISH	5 Ltr	F	
7	V372R18L	ULTIMEG 2000/372 (AIR DRY) RED ANTI TRACKING VARNISH	18 Ltr	F	
8	V372R5L	ULTIMEG 2000/372 (AIR DRY) RED ANTI TRACKING VARNISH	5 Ltr	F	
9	V372RSPRAY	ULTIMEG 2000/372 (AIR DRY) ANTI TRACKING RED AEROSOLS	400 Ml	F	
10	V372RSPRAY	ULTIMEG 2000/372 (AIR DRY) ANTI TRACKING RED AEROSOLS	400 Ml	F	

* This is range of anti tracking varnish provide tough, impervious, insulating seals in difficult environments. The system dries rapidly in thin film to give very effective sealing off of electrical leakage paths together with excellent noise reduction characteristics. It has excellent resistance to transformer oils and moisture, and is suitable for use in Class F insulating systems. Together with the inclusion of a low hazard fungicide in the varnish, it effectively is also a fungal resistant solution, well suited for tropicalisation and for use on equipments working in warm humid climates.
* Applications: Suitable for noise reduction in small transformers and moisture protection, anti tracking and tropicalisation on all types of electrical equipments.

AEV ULTIMEG INSULATION VARNISH 2000/376 (UK)

Anti Tracking Varnish
Air Drying, Class F (155˚C) Clear / Golden

No.	Stock Code	Description	Litres	Class	Price (RM)
1	V376C200L	ULTIMEG 2000/376 (AIR DRY) CLEAR VARNISH	200 Ltr	F	
2	V376C18L	ULTIMEG 2000/376 (AIR DRY) CLEAR VARNISH	18 Ltr	F	
3	V376C5L	ULTIMEG 2000/376 (AIR DRY) CLEAR VARNISH	4.5 Ltr	F	
4	V376C4L	ULTIMEG 2000/376 (AIR DRY) CLEAR VARNISH	3.2 Ltr	F	
5	V376G200L	ULTIMEG 2000/376 (AIR DRY) GOLDEN VARNISH	200 Ltr	F	
6	V376G18L	ULTIMEG 2000/376 (AIR DRY) GOLDEN VARNISH	18 Ltr	F	
7	V376G5L	ULTIMEG 2000/376 (AIR DRY) GOLDEN VARNISH	4.5 Ltr	F	
8	V376G4L	ULTIMEG 2000/376 (AIR DRY) GOLDEN VARNISH	3.2 Ltr	F	

* This is range of anti tracking varnish provide tough, impervious, insulating seals in difficult environments. The system dries rapidly in thin film to give very effective sealing off of electrical leakage paths together with excellent noise reduction characteristics. It has excellent resistance to transformer oils and moisture, and is suitable for use in Class B insulating systems. Together with the inclusion of a low hazard fungicide in the varnish, it effectively is also a fungal resistant solution, well suited for tropicalisation and for use on equipments working in warm humid climates.

VARNISHES & RESINS

AEV ULTIMEG INSULATION VARNISH 2000/380 (UK)

Alkyd Phenolic Impregnating Varnish (Isonel 51 Equivalent)
Oven Cured (4 hrs @ 130˚C), Class H (180˚C)

No.	Stock Code	Description	Litres	Class	Price (RM)
1	V380C200L	ULTIMEG 2000/380 IMPREGNATING CLEAR VARNISH	200 Ltr	H	
2	V380C25L	ULTIMEG 2000/380 IMPREGNATING CLEAR VARNISH	25 Ltr	H	
3	V380C18L	ULTIMEG 2000/380 IMPREGNATING CLEAR VARNISH	18 Ltr	H	

* This is a high flash, alkyd phenolic, which produces tough resilient insulating films with excellent electrical and bond strength characteristics at all operating temperatures up to Class H (180˚C). The cured product has exceptionally good resistance to moisture and insulating oils, together with full cure in the deeper sections of winding.
* Applications: A general purpose varnish for impregnation of transformers, chokes, relays and fields, together with most types of electric motors.

AEV CLEANING SOLVENTS (UK)

No.	Stock Code	Description	Litres	Price (RM)
1	V48018L	ULTIMEG U480 MULTICLENS CLEANING SOLVENT	18 Ltr	
2	VX218LT4	ULTIMEG T4 REDUCER	18Ltr	
3	VX205LT4	ULTIMEG T4 REDUCER	5 Ltr	

* Both Multiclens 480 are formulated to be ozone friendly is suitable as replacement for 1,1,1 Trichloroethane. These solutions features excellent solvency and leaves no residue upon evaporation.
* Applications: Multiclens 480 are cleaning solvents for removal of dirt, oils, greases and other heavy duty soils from a variety of equipments such as electric motors, generators, brakes and clutches, chains, and as general cold cleaners.

AEV ULTIFIL EPOXY RESIN (UK)

2 Parts, Epoxide Compound Potting Resin

No.	Stock Code	Description	Litres	Price (RM)
1	V810W5KG	ULTIMEG 2001/810 COMPOUND VARNISH C/W CATALYST (BLUE)	5 Kgs	
2	V810W5KG	ULTIMEG 2001/810NL COMPOUND VARNISH C/W CATALYST (BLACK)	5 Kgs	

* This compound is a filled, blue pigmented, two component epoxide resin system. The system features room temperature processing, good thermal shock resistance of the cured product and high thermal conductivity.
* Applications: It is used for the encapsulation, sealing and potting of electronic and electrical components.



VARNISHES & RESINS





Our products are broadly catalogued into seven areas
- **AEV Ultimeg 2000,** Traditional insulating varnishes and resins
- **AEV Ultimeg 2002,** "0" VOC Solvent less Epoxy impregnation resins
- **AEV Ultifil 3000,** Polyurethane Epoxy potting resins
- **AEV Ultifil 2001 & 2004,** Epoxy potting resins
- **AEV Aquameg,** Water based varnishes
- **AEV Ulticote,** Coating finishes
- **AEV Ayrodev™,** In situ cleaning solvents

Our products are widely used in the manufacture of –
- Electric Motors
- Power Tools
- Domestic Appliances
- MV & HV Machines
- Traction Motors
- Automotive Products
- Transformers
- Electronics

New, non-electrical applications are also included in the manufacture of
- Filters
- Water Meters



PLUSS COAT COMPOUND VARNISH

No.	Stock Code	Description	Litres	Price (RM)
1	VCV4L	PLUSS COAT COMPOUND VARNISH C/W CATALYST	4 Ltr	



* This short oil modified alkyd varnish features good adhesion and heat resistance as well as good resistance against moisture, solvent and grease.
* Applications: Suitable for use in copper coils, electric transformers, electric circuit boards as well as in the applications of ballasts and fluorescent lamp casing and other metal surface.

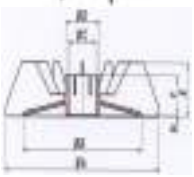
ELECTRIC MOTOR PARTS & ACCESSORIES

F.I.A.M.E. FAN SERIE (Italy)

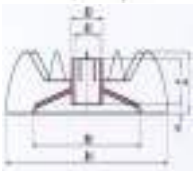
No.	Stock Code	Description	Size (A, Inch)	Shaft Hole (B, MM)	Price/Pc
1	FS(3000)07-24	SERIE 3000 (CLAMP) 100	7	24	
2	FS(3000)08-30	SERIE 3000 (CLAMP) 112	8	30	
3	FS(B)0500-1400	SERIE B (CLAMP) 71B-Y	5	14	
4	FS(B)0600-1900	SERIE B (CLAMP) 80B-Y	6	19	
5	FS(B)0650-2400	SERIE B (CLAMP) 90B-Y	6.5	24	
6	FS(B)0700-2800	SERIE B (CLAMP) 100B-Y	7	28	
7	FS(B)0800-2800	SERIE B (CLAMP) 112B-Y	8	28	
8	FS(B)1000-4000	SERIE B (CLAMP) 132B-Y	10	40	
9	FS(B)1200-4500	SERIE B (CLAMP) 160B-Y	12	45	
10	FS(B)1350-5000	SERIE B (CLAMP) 180B-Y	13.5	50	
11	FS(F)0450-1400	SERIE F (SCREW) 71F-X	4.5	14	
12	FS(F)0500-1900	SERIE F (SCREW) 80F-X	5	19	
13	FS(F)0600-2260	SERIE F (SCREW) 90F-X	6	22.6	
14	FS(F)0700-2800	SERIE F (SCREW) 100F-X	7	28	
15	FS(F)1000-4000	SERIE F (SCREW) 132F-X	10	40	

* The F.I.A.M.E. series of motor Fan Blade are designed to meet the needs of motor repair industry. Each fan blade comes with adjustable clamps or screws for the fans to fit a wide range of shaft sizes. It is stronger, boasting improved quality and heat resistance.
* Applications: Working hand in hand with a rotating device, the motor fan blade's primary function is to act as the principal cooling system to dissipate heat from a working electrical motor.

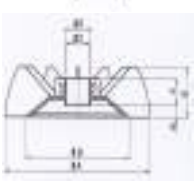












Fan Series 3000 Clamp

Code	Model	A	B	C	D	E	F	G	N° Paddle	Hub Type
FM023VN01	80	143	105	17-19	23	27.5	26	1.5	12	Clamp
FM023VN02	90	156.5	113	19-24	29	32	30	3	12	Clamp
FM023VN03	100	177	123	24-28	36	33	31	3	12	Clamp
FM023VN04	112	204	153	28-30 38-40	48	40.5	35	5	12	Clamp
FM023VN05	132	230	180	38-40 44-45	52	46	30	6.5	12	Clamp

Fan Series B-Y Clamp

Code	Model	A	B	C	D	E	F	G	N° Paddle	Hub Type
FM006VN01	71	131	90	10-17	21	29	19	6	12	Clamp
FM006VN02	80	141	100	12-20	25	29	18	5	12	Clamp
FM006VN03	90	162	118	12-28	31	30	23	6	12	Clamp
FM006VN04	100	183	128	24-28	35	34	25	5	12	Clamp
FM006VN05	112	205	137	20-30	46	37	27	6	12	Clamp
FM006VN06	132	239	179	30-40	45	49	30	11	12	Clamp
FM006VN07	160	294	218	40-45	52	54	34	14	12	Clamp
FM006VN08	180	335	256	50	58	60	36	15	12	Clamp

Fan Series F-X Screw

Code	Model	A	B	C	D	E	F	G	N° Paddle	Hub Type
FM003VN01	71	113	91	12-14	19	26	16	4	12	Holdfast
FM003VN02	80	133	103	19	24	29	16	5	12	Holdfast
FM003VN03	90	144	106	22.6	28	34	18	10	12	Holdfast
FM003VN04	100	172	127	28	33	38	21	3	12	Holdfast
FM003VN05	112	188	137	28	33	42	23	6	12	Holdfast
FM003VN06	132	238	168	40	46	50	22	10	12	Holdfast

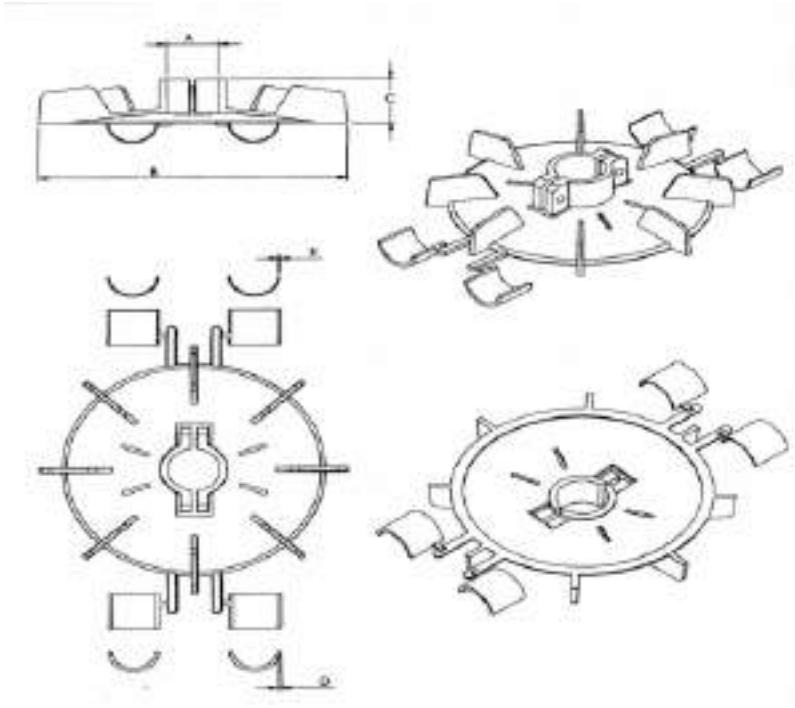
ELECTRIC MOTOR PARTS & ACCESSORIES

WINGS **NYLON MOTOR FANS**

No.	Stock Code	Size (A, Inch)	Shaft Hole (B, MM)	Price/Pc (RM)
1	FBNW04	4	15.00	
2	FBNW05	5	20.00	
3	FBNW06	6	25.00	
4	FBNW07	7	30.00	
5	FBNW08	8	35.00	
6	FBNW09	9	40.00	
7	FBNW10	10	50.00	
8	FBNW11	11	55.00	
9	FBNW12	12	60.00	

* The Nylon Motor Fan Blade is designed to meet the needs of motor repair industry. Each fan blade comes with interchangeable collars to fit a wide range of shaft sizes. It is stronger, boasting improved quality and heat resistance up to 180°C.
* Applications: Working hand in hand with a rotating device, the motor fan blade's primary function is to act as the principal cooling system to dissipate heat from a working electrical motor.

DIMENSION					
SIZE	A (MM)	B (MM)	C (MM)	D (MM)	E (MM)
FAN BLADE 4"	15	101.6	22	2.4	1.2
FAN BLADE 5"	20	127	24	2.4	1.2
FAN BLADE 6"	25	152.4	25	2.4	1.2
FAN BLADE 7"	30	177.8	32	2.4	1.2
FAN BLADE 8"	35	203.2	32	2.4	1.2
FAN BLADE 9"	40	228.6	33	2.4	1.2
FAN BLADE 10"	50	260	39	5	3.5
FAN BLADE 11"	55	283	40	5	3.5
FAN BLADE 12"	60	310	43	5	3.5

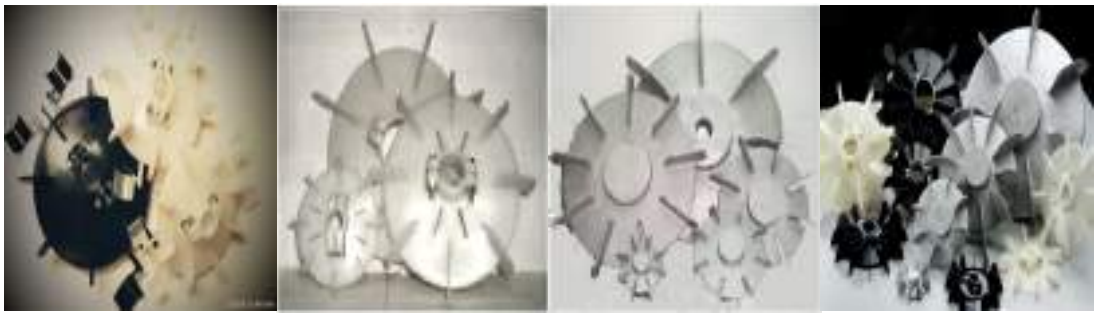


ELECTRIC MOTOR PARTS & ACCESSORIES

ALUMINIUM MOTOR FANS (ASIA & CROMPTON TYPE)

No.	Stock Code	Size (A, Inch)	Bore Size (B, MM)	Price/Pc (RM)
1	FBA03	3 (C)	25	
2	FBA04	4 (C)	35	
3	FBA05	5 (C)	40	
4	FBA06	6 (C)	45	
5	FBA07	7 (C)	50	
6	FBA08	8 (C)	57	
7	FBA09	9 (C)	60	
8	FBA10	10 (C)	65	
9	FBA11	11 (C)	80	
10	FBA12	12 (C)	80	
11	FBA13	13 (C)	96	
12	FBA14	14 (C)	100	
13	FBA15	15 (C)	103	
14	FBA16	16 (C)	106	
16	FBA17	17 (C)	104	
17	FBA18	18 (C)	108	

* Aluminium Motor Fan Blade is designed to meet the needs of motor repair industry where a nylon fan is insufficient to meet their requirements.
* Applications: Working hand in hand with a rotating device, the motor fan blade's primary function is to act as the principal cooling system to dissipate heat from a working electrical motor.



ALUMINIUM MOTOR FANS (ASIA & CROMPTON TYPE)

No.	Stock Code	Size (A, Inch)	Description	Price/Pc (RM)
1	FBAS1125	11"	25 X 90 X 9	
2	FBAS1225	12"	25 X 90 X 9	
3	FBAS1325	13"	25 X 100 X 9	
4	FBAS14	14"	25 X 100 X 9	
5	FBAS15	15"	25 X 120 X 9	
6	FBAS16	16"	25 X 125 X 9	



CHINA SERIES INDUCTION MOTOR PVC FAN BLADE

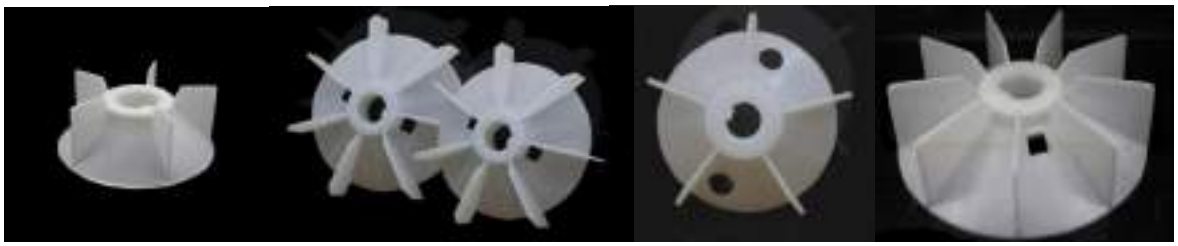
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CHINA Y2 SERIES INDUCTION MOTOR PVC FAN BLADE

No	Frame	OD(MM)	ID(MM)	H(MM)	Blade	Price(RM)
1	Y2 90-4	150 (6")	19	37	7	
2	Y2 100	150 (6")	25	39	5	
3	Y2 112-4	180 (7")	28	43	6	
4	Y2 132-2	180 (7")	38	44	5	
5	Y2 132-4	195 (7 3/4")	38	48	6	
6	Y2 160-2	220 (8 3/4")	43	57	5	
7	Y2 160-4	280 (11")	43	68	7	
8	Y2 180-2-4	240 (9 1/2")	52	68	7	
9	Y2 200-2	260 (10 1/4")	58	84	5	
10	Y2 200-4	305 (12")	58	84	9	
11	Y2 225-2	260 (10 1/4")	56	97	5	
12	Y2 225-4	365 (14 3/8")	58	97	9	
13	Y2 250-2	265 (10 1/2")	62	106	5	
14	Y2 250-4	375 (14 7/8")	62	106	9	
15	Y2 280-2	277 (10 7/8")	68	104	5	
16	Y2 280-4	395 (15 5/8")	68	125	9	
17	Y2 315-2	300 (12")	80	150	5	
18	Y2 315-4	425 (16 3/4")	90	140	9	

CHINA YC & Y SERIES INDUCTION MOTOR PVC FAN BLADE

No	Frame	OD(MM)	ID(MM)	H(MM)	Blade	Price(RM)
1	YC80	125 (5")	17	25	7	
2	YC90	160 (6 1/4")	19	25	6	
3	YC100	170 (6 3/4")	19	30	6	
4	Y80	130 (5 1/8")	19	25	6	
5	Y90	135 (5 1/4")	19	25	6	
6	Y90	135 (5 1/4")	24	25	6	
7	Y100-4	160 (6 1/4")	28	28	6	
8	Y112-4	170 (6 3/4")	28	39	6	
9	Y132-2	170 (6 3/4")	38	38	6	
10	Y132-4	220 (8 5/8")	38	45	6	
11	Y160-2	210 (8 1/4")	43	48	6	
12	Y160-4	250 (9 7/8")	43	48	6	
13	Y180-2	250 (9 7/8")	52	56	6	
14	Y180-4	260 (1 0 1/4")	52	56	9	
15	Y200-4	310 (12 1/4")	58	66	9	
16	Y225-4	355 (14")	62	68	9	
17	Y250-4	370 (14 1/2")	68	70	9	
18	Y280-4	380 (15")	78	70	9	
19	Y315-4	550 (21 1/2")	90	113	14	



CHINA SERIES INDUCTION MOTOR PVC FAN BLADE

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CHINA SERIES INDUCTION MOTOR FAN COVER (METAL)

Y SERIES			
No	D(MM)	H (MM)	Price(RM)
1	120	55	
2	138	65	
3	155	70	
4	175	90	
5	310	155	
6	395	185	
7	400	200	
8	440	230	
9	485	250	
10	540	270	
11	620	310	
12	720	380	



YC SERIES			
No	D(MM)	H (MM)	Price(RM)
1	155	85	
2	175	116	
3	196	120	





No	Model	Diameter (MM)	Power Range (KW)	Price(RM)
1	Y90	175	1.1 - 1.5	
2	Y100	195	2.2 - 3	
3	Y112	217	4	
4	Y132	255	5.5 - 7.5	
5	Y160	315	11 - 15	
6	Y180	355	18.5 - 22	

ELECTRIC MOTOR PARTS & ACCESSORIES

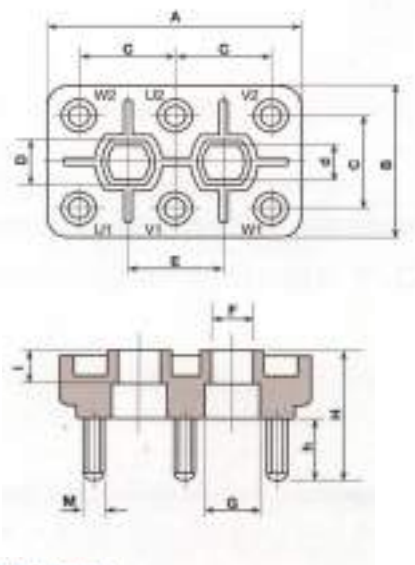
TB MOTOR TERMINAL BLOCK (Made In Italy)

No.	Stock Code	Size	H	M	Price/Set (RM)
1	TB040025	40MM X 25MM	20MM	M3	
2	TB050032	50MM X 32MM	22MM	M4	
3	TB056036	56MM X 36MM	27MM	M5	
4	TB070045	70MM X 45MM	31MM	M6	
5	TB082052	82MM X 52MM	39MM	M7	
6	TB095060	95MM X 60MM	47MM	M8	
7	TB115070	115MM X 70MM	50MM	M10	
8	TB125080	125MM X 80MM	58MM	M12	
9	TB145090	145MM X 90MM	67MM	M14	
10	TB165100	165MM X 100MM	78MM	M16	
11	TB240150	240MM X 150MM	105MM	M20	



* Terminal Blocks provide a convenient means of connecting individual electrical wires, mainly used to connect wiring among various items of equipments. Being of robust build and having a wide range of readily available sizes, terminal blocks are one of the most flexible types of electrical connector in used in the industry. All terminal blocks come complete with nuts, washers and links.

- Applications: Useful in applications such as asynchronous single phase motors and other electrical applications.



Model	A	B	C	D	d	E
TB040025	40	25	15	8.5	4.0	12-18
TB050032	50	32	18	9.5	5.5	15-21
TB056036	56	36	20	9.5	5.5	16-23
TB070045	70	45	25	10.5	6.5	23-28
TB095060	95	60	35	16.0	7.5	29-39
TB115070	115	70	45	16.0	10.0	40-47
TB125080	125	80	45	16.0	11.0	40-49
TB145090	145	90	54	24.0	14.0	46-61
TB165100	165	100	62	23.0	13.0	52-74
TB240150	240	150	90	30.0	17.0	84-95

Model	F	G	H	h	I	M
TB040025	7.0	8.5	20	10	5	M3
TB050032	6.0	9.5	22	12	6	M4
TB056036	7.5	11.5	27	15	8	M5
TB070045	9.5	13.0	31	16	9	M6
TB095060	12.0	19.0	47	23	14	M8
TB115070	14.0	19.0	50	28	14	M10
TB125080	15.0	19.0	58	32	15	M12
TB145090	22.0	32.0	67	36	17	M14
TB165100	23.0	30.0	78	40	28	M16
TB240150	22.0	35.0	105	56	32	M20

TECO MOTOR TERMINAL BLOCK (Made In Taiwan)

No.	Stock Code	W	H	CH	Motor Type	Price/Pc (RM)
1	TBCH069	38MM	18MM	70MM	3 HP	
2	TBCH113	58MM	25MM	113MM	7.5-30HP	
3	TBCH180	115MM	35MM	180MM	40-60 HP	
4	TBCH230	125MM	63MM	230MM	100 HP	

WELDING STUDS (China)

No.	Stock Code	Description	Price/pc(RM)
1	MWSD0950	9.50MM WELDING SET STUD	
2	MWSD1250	12.50MM WELDING SET STUD	



TECO MOTOR TERMINAL BLOCK



WELDING STUDS

ELECTRIC MOTOR PARTS & ACCESSORIES

ANTI CONDENSATION HEATER TAPES (Made In England)

Flexible Motor Heating Tape, 230V

No.	Stock Code	Length (IN)	Length (MM)	Volts	Watts	Price/Pc (RM)
1	THT2-0305025	12″	305	230V	25W	
2	THT2-0432025	17″	432	230V	25W	
3	THT2-0686021	27″	686	230V	21W	
4	THT2-0686040	27″	686	230V	40W	
5	THT2-0762026	30″	762	230V	26W	
6	THT2-1016042	40″	1016	230V	42W	
7	THT2-1067054	42″	1067	230V	54W	
8	THT2-1473065	58″	1473	230V	65W	
9	THT2-1702099	67″	1702	230V	99W	
10	THT2-1850100	73″	1850	230V	100W	



* These heater tapes provide protection against moisture / condensation within rotating electrical equipment.
* Applications: Typical application would be electric motors, generators and alternators that operate in damp or wet conditions.

PTC THERMISTORS (Made In England)

Thermistors Wire (Triple)

No.	Stock Code	Temperature (°C)	Lead Colour	Price/Set (RM)
1	TW080C	80°C	White / White	
2	TW090C	90°C	Green / Green	
3	TW100C	100°C	Red / Red	
4	TW110C	110°C	Red / Red	
5	TW120C	120°C	Black / Yellow	
6	TW130C	130°C	Blue / Yellow	
7	TW150C	150°C	Black / Yellow	
8	TW160C	160°C	Red / Blue / Yellow	
9	TW180C	180°C	White / Red	



* A PTC (Positive Temperature Coefficient) thermistor is a semiconductor of endowed, polycrystalline barium titanate ceramic, whose electrical resistance rapidly increases when a certain temperature is exceeded. The reproducible change of resistance vs. temperature is utilised to activate for example trip relays. The result is a defined temperature control of a variety of electrical equipment and used to switch off load current.
* Applications: PTC thermistors are mainly used as motor protection thermistors, which are set in the winding of electrical motors, generators and transformers.

THERMAL CUT OUTS (Made In England)

No.	Stock Code	Temperature (°C)	Type	Price/Set (RM)
1	TC0100C	100°C	NC	
2	TC0110C	110°C	NC	
3	TC0120C	120°C	NC	
4	TC0130C	130°C	NC	
5	TC0150C	150°C	NC	



* The main component of this device is a temperature influenced thermo bimetal disc with double contacts will open/close a circuit when the required response temperature is reached. When current goes through the bimetal disc, a combination of current and temperature sensitivity is achieved. Heat is transmitted from all sides via convection, radiation in gaseous or solid media. The rhomboid surface conducts heat directly onto the bimetal snap disc; therefore the device is also suitable as surface temperature detector.
* Applications: Suitable to be used as a controlling device for electrical applications that would require a controlled thermal condition.

ELECTRIC MOTOR PARTS & ACCESSORIES

CENTRIFUGAL SWITCHES (China)

No.	Stock Code	Model	Price/Pc (RM)
1	SWC2HP	19 304P (2HP – BLUE)	
2	SWCS113	CS 113	
3	SWCS214	CS 214 (BOTTOM CONTACT)	
4	SWCS216	CS 216 (TOP CONTACT)	
5	SWCSL19	19 152S (1-2HP – BLACK)	
6	SWCYC90BLK	YC90 – BLACK	
7	SWCYC90BLU	YC90 – BLUE	
8	-	YC 100	
9	-	CS 101	
10	-	CS 105	
11	-	CS 304	
12	-	G 109	
13	-	G 135	
14	-	G17 152S	
15	-	17 152Y	
16	-	14 204Y	
17	-	19 204Y	
18	-	22 204Y	
19	-	27 204Y	
20	-	19 304-3	
21	-	19 304Y	
22		34 304Y	
23	-	Crompton Motor Type	
24	-	Hitachi G104	

* A centrifugal switch is an electric switch that operates using the centrifugal force created from a rotating shaft, most commonly that of an electric motor. The switch is designed to activate or deactivate according to the rotational speed of the shaft.
* Applications: These are most commonly used in single phase, split-phase induction motor where the switch is used to disconnect the starting winding of the motor once normal operating speed is achieved.

CENTRIFUGAL SWITCHES & ROTARY BODY (Made In China)

					
19 304P (2HP – Blue)	CS 113	CS 214 (Bottom Contact)	CS 216 (Top Contact)	19 152S (1-2HP – Black)	YC 90 (New) Blue
					
14 204Y	17 152Y	19 204Y	19 304-3	19 304Y	22 204Y
					
27 204Y	34 304Y	CS 101	CS 105	CS 304	G 109
					
G 135	G17 152S	YC 90	YC 100	Crompton Motor Type	Hitachi G104
					
ROTARY BODY					

ELECTRIC MOTOR PARTS & ACCESSORIES

MOTIF Starting Capacitor (India)
250VAC C/W Terminal Wire (Blue)

No.	Stock Code	Size (UF)	Dimension W	H	D	Price/Pc (RM)
1	CMTFW2100	100	13	80	42	
2	CMTFW2150	150	11	80	42	
3	CMTFW2200	200	15	80	42	
4	CMTFW2250	250	15	80	42	
5	CMTFW2300	300	-	100	50	
6	CMTFW2350	350	-	100	50	
7	CMTFW2400	400	-	100	50	

CBB — 250VAC FAN CONDENSER (SQUARE TYPE) (China)

No.	Stock Code	Size (UF)	Dimension W	H	D	Price/Pc (RM)
1	FCS20470	4.70	37	26	13	
2	FCS20500	5.00	38	25	15	
3	FCS20800	8.00	38	29	17	
4	FCS21000	10.00	48	28	17	
5	FCS21200	12.00	48	30	18	
6	FCS21500	15.00	48	33	20.5	
7	FCS21600	16.00	48	33	20.5	
8	FCS22000	20.00	48	35	25	
9	FCS22500	25.00	48	37	26.5	
10	FCS23000	30.00	58	38	26	
11	FCS23500	35.00	58	40	28	

CBB — 450VAC FAN CONDENSER (SQUARE TYPE) (China)

No.	Stock Code	Size (UF)	Dimension W	H	D	Price/Pc (RM)
1	FCS40100	1.00	37	22	12	
2	FCS40120	1.20	37	22	12	
3	FCS40125	1.25	37	22	12	
4	FCS40150	1.50	38	24	13.5	
5	FCS40180	1.80	38	26	15	
6	FCS40200	2.00	39	26	16	
7	FCS40250	2.50	38	28	17	
8	FCS40300	3.00	38	29	19	
9	FCS40325	3.25	38	31	19.5	
10	FCS40350	3.50	38	31	19.5	
11	FCS40400	4.00	48	30	18	
12	FCS40500	5.00	48	33	20.5	
13	FCS40600	6.00	48	35	22.5	
14	FCS40700	7.00	48	35	25	
15	FCS40800	8.00	48	37	26.5	



* These metalized film capacitors features high insulated resistance, low dielectric loss and stable temperature characteristic. The capacitor also boasts a non-inductive construction and self healing properties as well as non-combustible plastic case filled with non-combustible epoxy stuffing.
* Applications: They are designed for use with mini AC motors and electrical apparatus.

ELECTRIC MOTOR PARTS & ACCESSORIES

MSC Capacitors

M.S.C. CAPACITORS (Made In Taiwan)

110V/125V AC Motor Start Capacitors

SUPER

No.	Stock Code	Size (MFD)	OD X H (mm)	Price/Pc (RM)
1	CSM1072-088	72 - 88	37 X 70	
2	CSM1088-108	88 - 108	37 X 70	
3	CSM1108-130	108 - 130	37 X 70	
4	CSM1124-149	124 - 149	37 X 70	
5	CSM1130-156	130 - 156	37 X 70	
6	CSM1161-193	161 - 193	37 X 70	
7	CSM1189-227	189 - 227	37 X 70	
8	CSM1200-240	200 - 240	37 X 70	
9	CSM1216-259	216 - 259	37 X 70	
10	CSM1223-280	223 – 280	37 X 70	
11	CSM1270-324	270 - 324	37 X 70	
12	CSM1340-408	340 - 408	46 X 86	
13	CSM1400-480	400 - 480	46 X 86	
14	CSM1540-648	540 - 648	46 X 86	
15	CSM1708-850	708 - 850	46 X 86	

MSC Capacitors

M.S.C. CAPACITORS (Made In Taiwan)

220V/250V AC Motor Start Capacitors

SUPER

No.	Stock Code	Size (MFD)	OD X H (mm)	Price/Pc (RM)
1	CSM2025-030	25 - 30	37 X 70	
2	CSM2036-045	36 - 45	37 X 70	
3	CSM2053-064	53 - 64	37 X 70	
4	CSM2072-086	72 - 86	37 X 70	
5	CSM2088-106	88 - 106	37 X 70	
6	CSM2108-130	108 - 130	37 X 70	
7	CSM2124-149	124 - 149	46 X 86	
8	CSM2145-175	145 - 175	46 X 86	
9	CSM2161-193	161 - 193	46 X 86	
10	CSM2189-227	189 - 227	46 X 86	
11	CSM2216-260	216 - 260	46 X 86	
12	CSM2233-280	233 - 280	46 X 86	
13	CSM2270-324	270 - 324	46 X 86	
14	CSM2340-408	340 - 408	46 X 86	
15	CSM2400-480	400 - 480	46 X 86	



* Motor Starting Capacitors are electrolytic capacitors with high capacitance value (in μF) and able to provide a high starting torque to the motor. They are disconnected at the end of the starting in order to avoid overload to the motor wiring.
* Applications: Suitable for use in electrical motors that need, for their starting, a capacitor which generates a displaced current, creating a rotating magnetic field.

MOTOR RUNNING

MECO/DUCATI CAPACITORS (Made In Italy)

AC Motor Running Capacitors 450VAC

No.	Stock Code	Size (MFD)	OD X H (mm)	Pcs/Ctn	Price/Pc (RM)
1	CIF404.0	4.00 µF	28 X 56	100	
2	CIF405.0	5.00 µF	28 X 56	100	
3	CIF406.0	6.00 µF	28 X 56	100	
4	CIF407.0	7.00 µF	32 X 56	100	
5	CIF408.0	8.00 µF	32 X 56	100	
6	CIF410.0	10.00 µF	36 X 58	100	
7	CIF412.0	12.00 µF	36 X 70	100	
8	CIF412.5	12.50 µF	36 X 70	100	
9	CIF415.0	15.00 µF	36 X 70	100	
10	CIF416.0	16.00 µF	36 X 70	100	
11	CIF420.0	20.00 µF	40 X 68	80	
12	CIF425.0	25.00 µF	40 X 93	80	
13	CIF430.0	30.00 µF	40 X 93	80	
14	CIF435.0	35.00 µF	45 X 93	63	
15	CIF440.0	40.00 µF	45 X 93	63	
16	CIF445.0	45.00 µF	50 X 93	50	
17	CIF450.0	50.00 µF	50 X 93	48	
18	CIF460.0	60.00 µF	50 X 93	45	
19	CIF470.0	70.00 µF	50 X 118	42	
20	CIF480.0	80.00 µF	55 X 122	42	



* These motor running capacitors are a range of self-healing capacitors, manufactured using a self-extinguishing plastic case filled with resin. This range gives very good electrical reliability together with high mechanical resistance to shock and vibration.

* Applications: For use in running single-phase asynchronous motors and in all general a.c. applications at 50/60Hz.

SOLDERING IRON, LEADS & BARS

SOLDERING IRON – CHINA

No.	Stock Code	Size (W)	Voltage	Price/Pcs (RM)
1	MSI025W	25 W	250V	
2	MSI050W	50 W	250V	
3	MSI075W	75 W	250V	
4	MSI100W	100 W	250V	
5	MSI150W	150 W	250V	
6	MSI200W	200 W	250V	
7	MSI300W	300 W	250V	
8	MSI500W	500 W	250V	

* A soldering iron, made of heated metal tip and insulated handle, is a device for applying heat to melt solder for attaching two metal parts.
* Applications: For use in electrical work, soldering of wires to printed circuit boards, other wires or small terminals.

FINNEX Soldering Lead (In Rolls)

No.	Stock Code	Composition Sn/Pb	Size (MM)	Packing (Kg)	Price/Pcs (RM)
1	MSL4060-120	40/60%	1.20	250g	
2	MSL4060-160	40/60%	1.60	250g	
3	MSL4060-200	40/60%	2.00	250g	
4	MSL6040-120	60/40%	1.20	250g	
5	MSL6040-160	60/40%	1.60	250g	
6	MSL6040-200	60/40%	2.00	250g	

FINNEX Soldering Bars

No.	Stock Code	Composition Sn/Pb	Packing (Kg)	Price/Pcs (RM)
1	-	60/40%	1 Kg	
2	-	50/50%	1 Kg	
3	-	30/70%	1 Kg	
4	-	30/70% (with anti Monia)	1 Kg	

* Soldering lead is a fusible metal alloy conductor with a melting point or melting range of 180°C to 190°C, used in soldering where it is melted to join metallic surfaces.
* Applications: For use in electrical work, soldering of wires to printed circuit boards, other wires or small terminals.



Soldering Iron



Soldering Lead



Soldering Bars

AUTO TRANSFORMER & POWER TRANSFORMER

KIN COPPER ELECTRIC

YOKOYAMA

YOKOYAMA AUTO TRANSFORMER – FOR MOTOR STARTING
DUTY – MAX 8 STARTS PER HOUR

No.	KW	Size (MM) Aluminium	Tapping% Aluminium	Size (MM) Copper	Size (MM) Copper	Thermostat
1	3.75KW	210x220x95	70	210X220X95	70	**Optional**
2	5.50KW	210x220x110	70	210X220X95	70	**Optional**
3	7.50KW	210x220x110	70	210X220X110	70	**Optional**
4	11.00KW	220x245x110	70	220X245X110	70	**Optional**
5	15.00KW	230x245x140	50-60-75	230X245X140	40-50-60-75	**1**
6	18.50KW	230x245x140	50-60-75	230X245X140	40-50-60-75	**1**
7	22.00KW	260x270x140	40-50-60-75	260X270X140	40-50-60-75	**1**
8	30.00KW	260x270x145	40-50-60-75	260X270X145	40-50-60-75	**1**
9	37.50KW	260x270x155	40-50-60-75	260X270X155	40-50-60-75	**1**
10	45.00KW	290x315x170	50-60-75	260X280X160	40-50-60-75	**1**
11	56.00KW	290x315x175	50-60-75	290X315X175	40-50-60-75	**1**
12	66.00KW	320x340x195	50-60-75	290X315X185	40-50-60-75	**1**
13	80.00KW	320x340x200	50-60-75	320X340X200	40-50-60-75	**1**
14	94.00KW	320x340x205	50-60-75	320X340X205	40-50-60-75	**1**
15	110.00KW	330x380x220	50-60-75	330X380X220	40-50-60-75	**1**
16	132.00KW	330x380x230	50-60-75	330X380X225	40-50-60-75	**1**
17	150.00KW	400x390x290	50-65-75	400X390X280	50-65-75	**3**
18	180.00KW	400x390x300	50-65-75	400X390X290	50-65-75	**3**
19	200.00KW	400x390x300	50-65-75	400X390X290	50-65-75	**3**

* An autotransformer is an electrical transformer with only one winding. Depending on configuration, they can have a variable number of electrical connection points called taps. Each tap correspond to a different source or load voltage. In an autotransformer, a portion of the same winding effectively acts as part of both the primary and secondary winding.
* Applications: They are commonly used in power applications to interconnect systems operating at different voltage classes.





POWER TRANSFORMER



* Applications: Transformer are universally accepted and widely used to protect sensitive electronic controlled machines from breakdown such as industrial robot, CNC machines, Broad casting equipment, Medical equipment, Printing & Photographic processing equipment, SMT machines, Variable speed drives, Inverters, main frame computer, uninterruptible Power supply, DC Power rectification, Industrial Processing plant and petrochemical processing plant.

CABLE & CORDS ACCESSORIES

JM

COPPER CABLE LUG

Normal Sizes

No.	Stock Code	Description	Pcs/Box	Price/Pc (RM)
1	C001.5XM5	1.50MM^2 X M5 CABLE LUG	5000	
2	C002.5XM5	2.50MM^2 X M5 CABLE LUG	4000	
3	C004.0XM6	4.00MM^2 X M6 CABLE LUG	3000	
4	C006.0XM6	6.00MM^2 X M6 CABLE LUG	2000	
5	C010.0XM6	10.00MM^2 X M6 CABLE LUG	1200	
6	C016.0XM8	16.00MM^2 X M8 CABLE LUG	800	
7	C025.0XM8	25.00MM^2 X M8 CABLE LUG	800	
8	C035.0XM10	35.00MM^2 X M10 CABLE LUG	500	
9	C050.0XM10	50.00MM^2 X M10 CABLE LUG	300	
10	C070.0XM12	70.00MM^2 X M12 CABLE LUG	200	
11	C095.0XM12	95.00MM^2 X M12 CABLE LUG	150	
12	C120.0XM12	120.00MM^2 X M12 CABLE LUG	100	
13	C150.0XM16	150.00MM^2 X M16 CABLE LUG	75	
14	C185.0XM16	185.00MM^2 X M16 CABLE LUG	50	
15	C240.0XM16	240.00MM^2 X M16 CABLE LUG	40	
16	C300.0XM16	300.00MM^2 X M16 CABLE LUG	25	
17	C400.0XM16	400.00MM^2 X M16 CABLE LUG	16	
18	C500.0XM19	500.00MM^2 X M19 CABLE LUG	12	
19	C630.0XM19	630.00MM^2 X M19 CABLE LUG	8	

JM

COPPER CABLE LUG

Special Sizes

No.	Stock Code	Description	Pcs/Box	Price/Pc (RM)
1	C002.5XM6	2.50MM^2 X M6 CABLE LUG	4000	
2	C004.0XM5	4.00MM^2 X M5 CABLE LUG	3000	
3	C006.0XM8	6.00MM^2 X M8 CABLE LUG	2000	
4	C010.0XM8	10.00MM^2 X M8 CABLE LUG	1200	
5	C016.0XM10	16.00MM^2 X M10 CABLE LUG	800	
6	C025.0XM10	25.00MM^2 X M10 CABLE LUG	800	
7	C035.0XM8	35.00MM^2 X M8 CABLE LUG	500	
8	C050.0XM12	50.00MM^2 X M12 CABLE LUG	300	
9	C070.0XM10	70.00MM^2 X M10 CABLE LUG	200	
10	C095.0XM10	95.00MM^2 X M10 CABLE LUG	150	
11	C120.0XM10	120.00MM^2 X M10 CABLE LUG	100	
12	C150.0XM10	150.00MM^2 X M10 CABLE LUG	75	
13	C185.0XM10	185.00MM^2 X M10 CABLE LUG	50	



* These cable lugs are made of electro-tin plated copper that include a "palm" for connecting the lug to equipment, a generally elongate cylindrical barrel for receiving one end of the cable conductor, and an insert for disposal within the barrel and for extending around and along the inner surface of the barrel to align the lug more concentrically on smaller cables.

* Applications: Used for mounting on the end of a cable for making electrical connection between a conductor of the cable and other electrical equipment.

CABLE & CORDS ACCESSORIES

JM

COPPER CABLE LINK

Copper Connecting Tube

No.	Stock Code	Description	Pcs/Box	Price/Pc (RM)
1	CL001.5	1.5MM CABLE LINK	6,000	
2	CL002.5	2.5MM CABLE LINK	5,000	
3	CL004.0	4.0MM CABLE LINK	4,000	
4	CL006.0	6.0MM CABLE LINK	3,000	
5	CL010.0	10.0MM CABLE LINK	2,000	
6	CL016.0	16.0MM CABLE LINK	1,200	
7	CL025.0	25.0MM CABLE LINK	800	
8	CL035.0	35.0MM CABLE LINK	500	
9	CL050.0	50.0MM CABLE LINK	300	
10	CL070.0	70.0MM CABLE LINK	200	
11	CL095.0	95.0MM CABLE LINK	150	
12	CL120.0	120.0MM CABLE LINK	100	
13	CL150.0	150.0MM CABLE LINK	75	
14	CL185.0	185.0MM CABLE LINK	50	
15	CL240.0	240.0MM CABLE LINK	40	
16	CL300.0	300.0MM CABLE LINK	25	
17	CL400.0	400.0MM CABLE LINK	16	
18	CL500.0	500.0MM CABLE LINK	12	
19	CL630.0	630.0MM CABLE LINK	8	



* The cable connectors are made of electrolytic copper tubes which are electro-tin plated.
* Applications: Used to splice stranded and solid copper conductors in virtually all general purpose applications.

CABLE & CORDS ACCESSORIES

KIN COPPER ELECTRIC

RUPAM Group

Rod Clamp / Test Bond / Cross Saddle / Rod Coupler

No.	Stock Code	Description	Price (RM)
1	KR1-BBS	"RUPAM" 1" X 1/8" BRASS BAR SADDLE	
2	KR1-EC-B	"RUPAM" 1" BIG BRASS EARTH ROD CLAMP	
3	KR1-EC-S	"RUPAM" 5/8" SMALL BRASS EARTH ROD CLAMP	
4	KR1-TB	"RUPAM" BRASS ROUND TEST BOND	

RUPAM Group

Bar Saddle / Lightning Arrestor / Neutral Link / Cable Gland

No.	Stock Code	Description	Price (RM)
1	KR1-ARST	"RUPAM" BRASS LIGHTNING ARRESTOR	
2	KR1-BBS	"RUPAM" 1" X 1/8" BRASS BAR SADDLE	
3	KR1-G254	"RUPAM" G-254 BRASS CABLE GLAND	
4	KR1-G324	"RUPAM" G-324 BRASS CABLE GLAND	
5	KR1-G326	"RUPAM" G-326 BRASS CABLE GLAND	
6	KR1-G405	"RUPAM" G-405 BRASS CABLE GLAND	
7	KR1-G503	"RUPAM" G-503 BRASS CABLE GLAND	
8	KR1-G505	"RUPAM" G-505 BRASS CABLE GLAND	
9	KR1-G636	"RUPAM" G-636 BRASS CABLE GLAND	
10	KR1-G753	"RUPAM" G-753 BRASS CABLE GLAND	
11	KR1-G755	"RUPAM" G-755 BRASS CABLE GLAND	
12	KR1-NL11W	"RUPAM" 11 WAY NEUTRAL LINK (LIGHT DUTY)	
13	KR1-NL13W	"RUPAM" 13 WAY NEUTRAL LINK (LIGHT DUTY)	
14	KR1-NL14W	"RUPAM" 14 WAY NEUTRAL LINK (LIGHT DUTY)	
15	KR1-NL16W	"RUPAM" 16 WAY NEUTRAL LINK (LIGHT DUTY)	
16	KR1-NL4W	"RUPAM" 4 WAY NEUTRAL LINK (LIGHT DUTY)	
17	KR1-NL5W	"RUPAM" 5 WAY NEUTRAL LINK (LIGHT DUTY)	
18	KR1-NL7W	"RUPAM" 7 WAY NEUTRAL LINK (LIGHT DUTY)	
19	KR1-NL8W	"RUPAM" 8 WAY NEUTRAL LINK (LIGHT DUTY)	
20	KR1-NL9W	"RUPAM" 9 WAY NEUTRAL LINK (LIGHT DUTY)	
21	KR1-CW20-L	"RUPAM" CW20-L 20MM BRASS CABLE GLAND	
22	KR1-CW20-S	"RUPAM" CW20-S 20MM BRASS CABLE GLAND	
23	KR1-CW25-L	"RUPAM" CW25-L 25MM BRASS CABLE GLAND	
24	KR1-CW25-S	"RUPAM" CW25-S 25MM BRASS CABLE GLAND	
25	KR1-CW32-L	"RUPAM" CW32-L 32MM BRASS CABLE GLAND	
26	KR1-CW32-S	"RUPAM" CW32-S 32MM BRASS CABLE GLAND	
27	KR1-CW40-L	"RUPAM" CW40-L 40MM BRASS CABLE GLAND	
28	KR1-CW40-S	"RUPAM" CW40-S 40MM BRASS CABLE GLAND	
29	KR1-G204	"RUPAM" G-204 BRASS CABLE GLAND	
30	KR1-G206	"RUPAM" G-206 BRASS CABLE GLAND	
31	KR1-G256	"RUPAM" G-256 CABLE GLAND	
32	KR1-NL10W	"RUPAM" 10 WAY NEUTRAL LINK (LIGHT DUTY)	
33	KR1-NL12W	"RUPAM" 12 WAY NEUTRAL LINK (LIGHT DUTY)	
34	KR1-NL15W	"RUPAM" 15 WAY NEUTRAL LINK (LIGHT DUTY)	
35	KR1-NL17W	"RUPAM" 17 WAY NEUTRAL LINK (LIGHT DUTY)	
36	KR1-NL18W	"RUPAM" 18 WAY NEUTRAL LINK (LIGHT DUTY)	
37	KR1-NL6W	"RUPAM" 6 WAY NEUTRAL LINK (LIGHT DUTY)	

INDUSTRIAL ELECTRICAL PRODUCTS

INDUSTRIAL PLUGS & SOCKET IP44
(Made In China)

SHINOHAWA

Stock Code	Description	Colour	Pcs / Ctn	Price /Pc (RM)
KC12-P16A3	013 16A 3 Pin Plug	BLUE	120	
KC12-P16A4	014 16A 4 Pin Plug	RED	120	
KC12-P16A5	015 16A 5 Pin Plug	RED	60	
KC12-S16A3	113 16A 3 Pin Socket	BLUE	60	
KC12-S16A4	114 16A 4 Pin Socket	RED	60	
KC12-S16A5	115 16A 5 Pin Socket	RED	60	
KC12-P32A3	023 32A 3 Pin Plug	BLUE	60	
KC12-P32A4	024 32A 4 Pin Plug	RED	60	
KC12-P32A5	025 32A 5 Pin Plug	RED	60	
KC12-S32A3	123 32A 3 Pin Socket	BLUE	60	
KC12-S32A4	124 32A 4 Pin Socket	RED	60	
KC12-S32A5	125 32A 5 Pin Socket	RED	60	
KC12-P63A3	033 63A 3 Pin Plug	BLUE	10	
KC12-P63A4	034 63A 4 Pin Plug	RED	10	
KC12-P63A5	035 63A 5 Pin Plug	RED	10	
KC12-S63A3	133 63A 3 Pin Socket	BLUE	10	
KC12-S63A4	134 63A 4 Pin Socket	RED	10	
KC12-S63A5	135 63A 5 Pin Socket	RED	10	
KC12-P125A4	044 125A 4 Pin Plug	RED	10	
KC12-P125A5	045 125A 5 Pin Plug	RED	10	
KC12-S125A4	144 125A 4 Pin Socket	RED	10	
KC12-S125A5	145 125A 5 Pin Socket	RED	10	
KC12-SC16A3	213 16A 3 Pin Connector Type Socket	BLUE	120	
KC12-SC16A4	214 16A 4 Pin Connector Type Socket	RED	120	
KC12-SC16A5	215 16A 5 Pin Connector Type Socket	RED	60	
KC12-SC32A3	223 32A 3 Pin Connector Type Socket	BLUE	60	
KC12-SC32A4	224 32A 4 Pin Connector Type Socket	RED	60	
KC12-SC32A5	225 32A 5 Pin Connector Type Socket	RED	60	
KC12-SC63A3	233 63A 3 Pin Connector Type Socket	BLUE	10	
KC12-SC63A4	234 63A 4 Pin Connector Type Socket	RED	10	
KC12-SC63A5	235 63A 5 Pin Connector Type Socket	RED	10	
KC12-SP16A3	413 16A 3 Pin Panel Mounting Angled	BLUE	80	
KC12-SP16A4	414 16A 4 Pin Panel Mounting Angled	RED	80	
KC12-SP16A5	415 16A 5 Pin Panel Mounting Angled	RED	80	
KC12-SP32A3	423 32A 3 Pin Panel Mounting Angled	BLUE	80	
KC12-SP32A4	424 32A 4 Pin Panel Mounting Angled	RED	80	
KC12-SP32A5	425 32A 5 Pin Panel Mounting Angled	RED	80	
KC12-ZY-1013	ZY-1013 16A 3 Pin 3 Way Connector	BLUE	20	






Plug | **Socket**






Connector Type Socket | **Panel Mounting Angle Socket**



3 Way Connector Type Socket

INDUSTRIAL ELECTRICAL PRODUCTS

KIN COPPER ELECTRIC

ANDELI FLOAT SWITCH — SHINOHAWA

Stock Code	Description	Pcs / Box	Price/Pc (RM)
KC6-FL2	2MTR FLOAT SWITCH	20	
KC6-FL5	5MTR FLOAT SWITCH	20	
KC6-FL7	7MTR FLOAT SWITCH	20	
KC6-FL10	10MTR FLOAT SWITCH	10	

ANDELI FOOT SWITCH — SHINOHAWA

Stock Code	Description	Price/Pc (RM)
KC6-SFMP-1M	SFMP-1M(VFS-302) FOOT SWITCH (METAL BODY)	
KC6-SFMP-1P	SFMP-1P (VFS-302) FOOT SWITCH (PVC BODY)	
KC6-FS2	FS2 (MINI VFS-101) FOOT SWITCH (METAL BODY)	
KC6-FS3	FS3 (VFS-101) FOOT SWITCH (METAL BODY)	
KC6-FS3A	FS3A(VFS-101)FOOT SWITCH (ALTERNATE PUSH ON / PUSH OFF)	
KC6-KH8012	KH8012 (VFS-610) FOOT SWITCH (PVC BODY)	

ANDELI WARNING LIGHT & TOWER LIGHT — SHINOHAWA

Stock Code	Description	Pcs / Ctn	Price/Pc (RM)
KC6-LET-1101	4" WARNING LIGHT 110/240VAC , 12/24VDC (R,Y,B,G)	30	
KC6-LED-1101	4" LED WARNING LIGHT 240VAC (R, Y, B, G)		
KC6-LAT1	1 LAMP TOWER LIGHT R/G (12V,24V,110V,240V)	20	
KC6-LAT2	2 LAMP TOWER LIGHT R/G (12V,24V,110V,240V)	20	
KC6-LAT3	3 LAMP TOWER LIGHT R/Y/G (12V,24V,110V,240V)	20	

SHINOHAWA D.O.L Magnetic Starter

No.	Stock Code	Description	Price
1	S240V2HP	SHINOHAWA 2HP 240V D.O.L MAGNETIC STARTER	
2	S240V3HP	SHINOHAWA 3HP 240V D.O.L MAGNETIC STARTER	
3	S415V2HP	SHINOHAWA 2HP 415V D.O.L MAGNETIC STARTER	
4	S415V3HP	SHINOHAWA 3HP 415V D.O.L MAGNETIC STARTER	
5	S415V5HP	SHINOHAWA 5HP 415V D.O.L MAGNETIC STARTER	
6	S415V7.5HP	SHINOHAWA 7.5HP 415V D.O.L MAGNETIC STARTER	
7	S415V10HP	SHINOHAWA 10HP 415V D.O.L MAGNETIC STARTER	



FL2 / FL5 / FL7/ FL10 Float Sw



SFMP-1M / SFMP -1P Foot Sw



FS2 / FS3 FS3A Foot Switch



D.O.L Magnetic Starter



LET-1011 Warning Light



LAT 1, 2, 3 Tower Light

INDUSTRIAL ELECTRICAL PRODUCTS

ANDELI RELAY & RELAY BASE SHINOHAWA

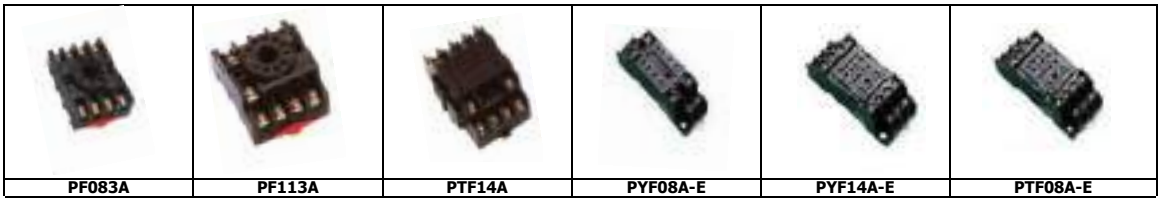
Stock Code	Description	Pcs / Box	Price/Pc (RM)
KC6-MK2P-***V**	MK2PN 8 PIN RELAY C/W NEON	20	
KC6-MK3P-***V**	MK3PN 11 PIN RELAY C/W NEON	20	
KC6-MY2N-***V**	MY2N 8 PIN RELAY C/W NEON	50	
KC6-MY4N-***V**	MY4N 14 PIN RELAY C/W NEON	50	
KC6-LY2N-***V**	LY2N 8 PIN RELAY C/W NEON	50	
KC6-LY4N-***V**	LY4N 14 PIN RELAY C/W NEON	50	

*** Remark: 12VDC, 24VDC, 110VAC, 240VAC, 12VAC, 24VAC AVAILABLE.**



MK2PN | MK3PN | MY2N | MY4N | LY2N | LY4N

Stock Code	Description	Pcs / Box	Price/Pc (RM)
KC6-PF083A-E	PF083A-E RELAY BASE (FOR MK2P RELAY)	20	
KC6-PF113A	PF113A-E RELAY BASE (FOR MK3P RELAY)	20	
KC6-PYF08A-E	PYF08A-E RELAY BASE FOR MY2 RELAY)	50	
KC6-PYF14A-E	PYF14A-E RELAY BASE (FOR MY4 RELAY)	50	
KC6-PTF08A-E	PTF08A-E RELAY BASE (FOR LY2 RELAY)	30	
KC6-PTF14A-E	PTF14A-E RELAY BASE (FOR LY4 RELAY)	30	



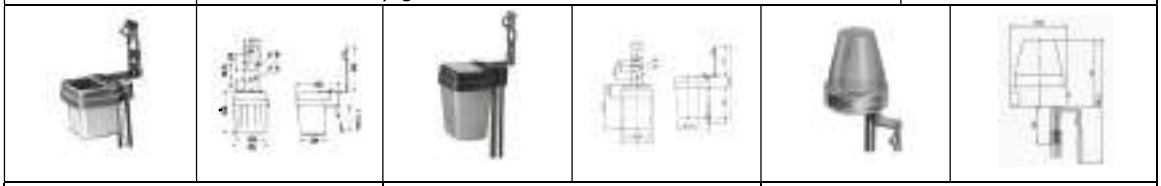
PF083A | PF113A | PTF14A | PYF08A-E | PYF14A-E | PTF08A-E

SELCON PHOTO CONTROL SWITCH (Japan)

Stock Code	Description	Price /Pc (RM)
KJ1-SDS-3A	Selcon 3A Photo Daylight Switch	
KJ1-SDS-6A	Selcon 6A Photo Daylight Switch	
KJ1-SDS-10A	Selcon 10A Photo Daylight Switch	

KAISEI PHOTO CONTROL SWITCH (China)

Stock Code	Description	Price /Pc (RM)
KC6-KSDS-3A	Kaisei 3A Photo Daylight Switch	
KC6-KSDS-6A	Kaisei 6A Photo Daylight Switch	



KJ1-SDS-3A, 6A | KJ1-SDS-10A (New Model) | KJ1-SDS-10A (Old Model)

Re : Dealer List Price for Himel Push Button, Switch & Pilot Lights
(With Effective from 1st Nov 2023)

Model	Description	Unit Price (RM)
Himel Pilot Lamp		
HLD1222PAG	HLD12 Pilot light 22mm AC 240V Green	4.80
HLD1222PAR	HLD12 Pilot light 22mm AC 240V Red	4.80
HLD1222PAY	HLD12 Pilot light 22mm AC 240V Yellow	4.80
HLD1222PAB	HLD12 Pilot light 22mm AC 240V Blue	4.80
HLD1222PAW	HLD12 Pilot light 22mm AC 240V White	4.80
Himel Push Button		
HLAY2EA31	HLAY2 Push Button Green NO	6.85
HLAY2EA42	HLAY2 Push Button Red NC	6.85
Himel Emergency Push Button		
HLAY2ES542	HLAY2 Emergency Stop Button Red NC Φ40 Turn to Release	11.65
HLAY2ES545	HLAY2 Emergency Stop Button Red 1NO 1NC Φ40 Turn to Release	16.20
Himel Selector Switch		
HLAY2ED21	HLAY2 Selector Switch 2 Position 1NO Black	8.10
HLAY2ED33	HLAY2 Selector Switch 3 Position 2NO Black	10.70
HLAY2ED35	HLAY2 Selector Switch 3 Position 1NO 1NC Black	10.70
Himel Contact Block		
HLAY2BE101	HLAY2-BE 1NO Auxiliary Contact	3.30
HLAY2BE102	HLAY2-BE 1NC Auxiliary Contact	3.30

Remark : Price are subject to change without prior notice.

Product data sheet

HFC611

Characteristics

Auxiliary contacts, HDC3, FC6-11, side, 1 NO + 1 NC



Main

Range of product	HDC3
Product or component type	Auxiliary contact block
Mounting location	Front
Auxiliary contact composition	4 NO

Complementary

Product compatibility	HDC3 contactor 6…95 A HDC3 contactor 120…630 A
Auxiliary contacts operation	Instantaneous
Shielding continuity terminal	Without
[Ui] rated insulation voltage	380 V conforming to IEC 60947-5-1
[Ith] conventional free air thermal current	10 A

Environment

Environmental characteristic	Harsh environment
Standards	IEC 60947-5-1
Product certifications	SEMKO
IP degree of protection	IP20
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-25…70 °C
Operating altitude	2000 m

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Offer Sustainability

Sustainable packaging	No

Remark : Price are subject to change without prior notice.

Re: Himel Price List 2022 for Himel 3 Pole AC Contactor-HDC3 Series
(With effective from 1st March 2026)

Model	Description	Unit Price (RM)
HDC30911U7	HDC3 9A 1NO 1NC 240V 50/60Hz	62.00
HDC31211U7	HDC3 12A 1NO 1NC 240V 50/60Hz	73.00
HDC31811U7	HDC3 18A 1NO 1NC 240V 50/60Hz	88.00
HDC32511U7	HDC3 25A 1NO 1NC 240V 50/60Hz	120.00
HDC33211U7	HDC3 32A 1NO 1NC 240V 50/60Hz	171.00
HDC33811U7	HDC3 38A 1NO 1NC 240V 50/60Hz	194.00
HDC34011U7	HDC3 40A 1NO 1NC 240V 50/60Hz	214.00
HDC35011U7	HDC3 50A 1NO 1NC 240V 50/60Hz	295.00
HDC36511U7	HDC3 65A 1NO 1NC 240V 50/60Hz	334.00
HDC38011U7	HDC3 80A 1NO 1NC 240V 50/60Hz	500.00
HDC39511U7	HDC3 95A 1NO 1NC 240V 50/60Hz	502.00
HC402	HC4-02 Side auxiliary contacts (0-NO, 2-NC)	24.00
HC411	HC4-11 Side auxiliary contacts (1-NO, 1-NC)	24.00
HC420	HC4-20 Side auxiliary contacts (2-NO, 0-NC)	24.00
HF402	HF4-02 Top auxiliary contacts (0-NO, 2-NC)	14.00
HF404	HF4-04 Top auxiliary contacts (0-NO, 4-NC)	22.50
HF411	HF4-11Top auxiliary contacts (1-NO, 1-NC)	14.00
HF413	HF4-13 Top auxiliary contacts (1-NO, 3-NC)	22.50
HF420	HF4-20 Top auxiliary contacts (2-NO, 0-NC)	14.00
HF422	HF4-22Top auxiliary contacts (2-NO, 2-NC)	22.50
HF431	HF4-31 Top auxiliary contacts (3-NO, 1-NC)	22.50
HF440	HF4-40 Top auxiliary contacts (4-NO, 0-NC)	22.50

Remark : Price are subject to change without prior notice.

Himel HWSD Isolator Price List - FY2024

(DEALER) (w.e.f 1st May 2024)

Model Number	Specification	Packaging	List Price	Dealer Price (RM)	
		pc / ctn	(RM)	Loose Qty	MOQ 20pcs
HWSD320	Weatherproof switched isolator 3P 20A IP66 440V	1/20	82.00	29.89	29.00
HWSD335	Weatherproof switched isolator 3P 35A IP66 440V	1/20	85.00	30.98	30.00
HWSD363	Weatherproof switched isolator 3P 63A IP66 440V	1/20	92.00	33.53	32.00



Ip55 Weatherproof Socket Cover , Transparent





Part Number	Box / Carton	Description	List Price/pc (RM)	Nett Price/pc (RM)	MOQ
HHEWP55TP	1/100	IP55 Weather-proof Socket Cover, Transparent	18.20	6.80	Loose
			18.20	6.50	10 pcs
			18.20	6.20	100 pcs

HMT711 Mechanical Time Relay Switch



- Set the cycle time for 24 hours
- 48/96 instructions can be edited per day
- The minumum interval time is 15/30 minutes
- Manual or automatic control

Part Number	Box / Carton	Description	List Price/pc (RM)	Nett Price/pc (RM)	MOQ
HMT711	1/50	16A Analogue 24 HR Timer Switch with Power Reserve	154.00	59.30	Loose
			154.00	56.10	10 pcs
			154.00	53.30	50 pcs

Remark : Price are subject to change without prior notice.

Re: Himel Price List 2024 for Metal Enclosure IP54
(Effective 1 August 2024)

13) Himel Metal Enclosure IP 54

Reference	Description	Thickness (mm)	Dimension (mm) HxWxD	Unit Price (RM)
HJXF252014Q	HJXF-2520/14 IP54	1.2	250x200x140	200.00
HJXF302514Q	HJXF-3025/14 IP54	1.2	300x250x140	240.00
HJXF302518Q	HJXF-3025/18 IP54	1.2	300x250x180	267.00
HJXF303014Q	HJXF-3030/14 IP54	1.2	300x300x140	278.00
HJXF303018Q	HJXF-3030/18 IP54	1.2	300x300x180	284.00
HJXF403014Q	HJXF-4030/14 IP54	1.2	400x300x140	315.00
HJXF403020Q	HJXF-4030/20 IP54	1.2	400x300x200	330.00
HJXF04020Q	HJXF-5040/20 IP54	1.2	500x400x200	521.00
HJXF504025Q	HJXF-5040/25 IP54	1.2	500x400x250	579.00
HJXF604020Q	HJXF-6040/20 IP54	1.5	600x400x200	603.00
HJXF605020Q	HJXF-6050/20 IP54	1.5	600x500x200	737.00
HJXF605025Q	HJXF-6050/25 IP54	1.5	600x500x250	790.00
HJXF705020Q	HJXF-7050/20 IP54	1.5	700x500x200	921.00
HJXF705025Q	HJXF-7050/25 IP54	1.5	700x500x250	947.00
HJXF806020Q	HJXF-8060/20 IP54	1.5	800x600x200	1141.00
HJXF806025Q	HJXF-8060/25 IP54	1.5	800x600x250	1250.00
HJXF1008025Q	HJXF-10080/25 IP54	1.5	1000x800x250	1940.00
HJXF1008030Q	HJXF-10080/30 IP54	1.5	1000x800x300	2056.00

Remark : Price are subject to change without prior notice.

Re: Himel Price List For MCB 3 Series 6kA (w.e.f. 1st July 2022)

1) Himel HDB3wHN 6KA MCB TYPE C

Model No.	Description	Unit Price (RM)
HDB3wHN1C6	HDB3wHN 1P C 6A 6kA	10.30
HDB3wHN1C10	HDB3wHN 1P C 10A 6kA	10.30
HDB3wHN1C16	HDB3wHN 1P C 16A 6kA	10.30
HDB3wHN1C20	HDB3wHN 1P C 20A 6kA	10.30
HDB3wHN1C25	HDB3wHN 1P C 25A 6kA	10.30
HDB3wHN1C32	HDB3wHN 1P C 32A 6kA	10.30
HDB3wHN1C40	HDB3wHN 1P C 40A 6kA	10.30
HDB3wHN1C50	HDB3wHN 1P C 50A 6kA	18.10
HDB3wHN1C63	HDB3wHN 1P C 63A 6kA	18.10
HDB3wHN2C6	HDB3wHN 2P C 6A 6kA	32.00
HDB3wHN2C10	HDB3wHN 2P C 10A 6kA	32.00
HDB3wHN2C16	HDB3wHN 2P C 16A 6kA	32.00
HDB3wHN2C20	HDB3wHN 2P C 20A 6kA	32.00
HDB3wHN2C25	HDB3wHN 2P C 25A 6kA	32.00
HDB3wHN2C32	HDB3wHN 2P C 32A 6kA	32.00
HDB3wHN2C40	HDB3wHN 2P C 40A 6kA	32.00
HDB3wHN2C50	HDB3wHN 2P C 50A 6kA	46.20
HDB3wHN2C63	HDB3wHN 2P C 63A 6kA	46.20
HDB3wHN3C6	HDB3wHN 3P C 6A 6kA	52.50
HDB3wHN3C10	HDB3wHN 3P C 10A 6kA	52.50
HDB3wHN3C16	HDB3wHN 3P C 16A 6kA	52.50
HDB3wHN3C20	HDB3wHN 3P C 20A 6kA	52.50
HDB3wHN3C25	HDB3wHN 3P C 25A 6kA	52.50
HDB3wHN3C32	HDB3wHN 3P C 32A 6kA	52.50
HDB3wHN3C40	HDB3wHN 3P C 40A 6kA	52.50
HDB3wHN3C50	HDB3wHN 3P C 50A 6kA	65.70
HDB3wHN3C63	HDB3wHN 3P C 63A 6kA	65.70

Remark : Price are subject to change without prior notice.

Re: Himel Price List For MCB 3 Series 6kA

Model No.	Description	Unit Price (RM)
HDB3wHN4C6	HDB3wHN 4P C 6A 6kA	80.00
HDB3wHN4C10	HDB3wHN 4P C 10A 6kA	80.00
HDB3wHN4C16	HDB3wHN 4P C 16A 6kA	80.00
HDB3wHN4C20	HDB3wHN 4P C 20A 6kA	80.00
HDB3wHN4C25	HDB3wHN 4P C 25A 6kA	80.00
HDB3wHN4C32	HDB3wHN 4P C 32A 6kA	80.00
HDB3wHN4C40	HDB3wHN 4P C 40A 6kA	80.00
HDB3wHN4C50	HDB3wHN 4P C 50A 6kA	98.00
HDB3wHN4C63	HDB3wHN 4P C 63A 6kA	98.00

Model No.	Description	Unit Price (RM)
HDB3wMO220	HDB3w MX+OF Shunt Trip	90.00
HDB3wOF	HDB3w Aux. Contact	32.00
HDB3wSD	HDB3w Alarm. Contact	38.50
HDB3wMV	HDB3w Over Voltage Release	80.00
HDB3wMN	HDB3w Under Voltage Release	80.00
HDB3wMVMN	HDB3w MV+MN Over Voltage & Under Voltage Rease	90.00

2) Himel HDB3w-125 27mm 6kA & 10kA MCB Type C

Model No.	Description	Unit Price (RM)
HDB3w125N1C_	HDB3w-125 6kA 1P 6kA Cc 80A, 100A, 125A	44.00
HDB3w125N2C_	HDB3w-125 6kA 2P 6kA Cc 80A, 100A, 125A	85.00
HDB3w125N3C_	HDB3w-125 6kA 3P 6kA Cc 80A, 100A, 125A	132.00
HDB3w125N4C_	HDB3w-125 6kA 4P 6kA Cc 80A, 100A, 125A	170.00
HDB3w125H1C_	HDB3w-125 4P 10kA 1P 80A, 100A, 125A	49.00
HDB3w125H2C_	HDB3w-125 4P 10kA 2P 80A, 100A, 125A	94.00
HDB3w125H3C_	HDB3w-125 4P 10kA 3P 80A, 100A, 125A	142.00
HDB3w125H4C_	HDB3w-125 4P 10kA 4P 80A, 100A, 125A	189.00

Remark : Price are subject to change without prior notice.

Re: Himel Price List 2021 for Himel Circuit Breakers 9 Series 10KA

3) Himel HDB9H 10kA MCB TYPE C

Model No.	Description	Unit Price (RM)
HDB9H63A1C6	HDB9H 1P C 6A 10kA	28.00
HDB9H63A1C10	HDB9H 1P C 10A 10kA	28.00
HDB9H63A1C16	HDB9H 1P C 16A 10kA	28.00
HDB9H63A1C20	HDB9H 1P C 20A 10kA	28.00
HDB9H63A1C25	HDB9H 1P C 25A 10kA	28.00
HDB9H63A1C32	HDB9H 1P C 32A 10kA	28.00
HDB9H63A1C40	HDB9H 1P C 40A 10kA	28.00
HDB9H63A1C50	HDB9H 1P C 50A 10kA	31.00
HDB9H63A1C63	HDB9H 1P C 63A 10kA	31.00
HDB9H63A2C6	HDB9H 2P C 6A 10kA	58.00
HDB9H63A2C10	HDB9H 2P C 10A 10kA	58.00
HDB9H63A2C16	HDB9H 2P C 16A 10kA	58.00
HDB9H63A2C20	HDB9H 2P C 20A 10kA	58.00
HDB9H63A2C25	HDB9H 2P C 25A 10kA	58.00
HDB9H63A2C32	HDB9H 2P C 32A 10kA	58.00
HDB9H63A2C40	HDB9H 2P C 40A 10kA	58.00
HDB9H63A2C50	HDB9H 2P C 50A 10kA	67.50
HDB9H63A2C63	HDB9H 2P C 63A 10kA	67.50
HDB9H63A3C6	HDB9H 3P C 6A 10kA	92.00
HDB9H63A3C10	HDB9H 3P C 10A 10kA	92.00
HDB9H63A3C16	HDB9H 3P C 16A 10kA	92.00
HDB9H63A3C20	HDB9H 3P C 20A 10kA	92.00
HDB9H63A3C25	HDB9H 3P C 25A 10kA	92.00
HDB9H63A3C32	HDB9H 3P C 32A 10kA	92.00
HDB9H63A3C40	HDB9H 3P C 40A 10kA	92.00
HDB9H63A3C50	HDB9H 3P C 50A 10kA	101.00
HDB9H63A3C63	HDB9H 3P C 63A 10kA	101.00

HDB963MX415	HDB9 MX+OF Shunt Trip	90.00
HDB963OF	HDB9 Aux. Contact	32.00
HDB963SD	HDB9 Alarm SW	38.50

Remark : Price are subject to change without prior notice.

Re: Himel Price List 2021 for Himel Circuit Breakers

4) Himel 2P & 4P RCCB

Model No.	Description	Unit Price (RM)
HDB6VR225LC	HDB6VR 2P 25A 10mA AC-Type	144.00
HDB6VR240SC	HDB6VR 2P 40A 30mA AC-Type	132.00
HDB6VR263SC	HDB6VR 2P 63A 30mA AC-Type	154.00
HDB6VR440SC	HDB6VR 4P 40A 30mA AC-Type	195.00
HDB6VR463SC	HDB6VR 4P 63A 30mA AC-Type	199.00
HDB6VR240YC	HDB6VR 2P 40A 100mA AC-Type	84.00
HDB6VR263YC	HDB6VR 2P 63A 100mA AC-Type	100.00
HDB6VR440YC	HDB6VR 4P 40A 100mA AC-Type	160.00
HDB6VR463YC	HDB6VR 4P 63A 100mA AC-Type	178.00
HDB6VR240TC	HDB6VR 2P 40A 300mA AC-Type	130.00
HDB6VR263TC	HDB6VR 2P 63A 300mA AC-Type	144.00
HDB6VR440TC	HDB6VR 4P 40A 300mA AC-Type	141.00
HDB6VR463TC	HDB6VR 4P 63A 300mA AC-Type	152.00
HDB6VR4100SC	HDB6VR 4P 100A 30mA AC-Type	565.00
HDB6VR4100YC	HDB6VR 4P 100A 100mA AC-Type	485.00
HDB6VR4100TC	HDB6VR 4P 100A 300mA AC-Type	455.00

5) Himel 1P+N 6kA RCBO

HDB9PLEN40C20L	HDB9PLEN 1P+N 6kA 20A 10mA RCBO	160.00
HDB9PLEN40C25L	HDB9PLEN 1P+N 6kA 25A 10mA RCBO	160.00
HDB9PLEN40C32L	HDB9PLEN 1P+N 6kA 32A 10mA RCBO	160.00
HDB9PLEN40C40L	HDB9PLEN 1P+N 6kA 40A 10mA RCBO	160.00

6) Himel MCCB HDM3

HDM2-125L 2P 30KA L-Type	32,40,63,100,125A	255.00
HDM3-63S 3P 25KA S-Type	32,40,50,63A	270.00
HDM3-63F 3P 50KA F-Type	32,40,50,63A	328.00
HDM3-100S 3P 25KA S-Type	80,100A	300.00
HDM3-100N 3P 35KA F-Type	80,100A	320.00
HDM3-100N 3P 50KA N-Type	80,100A	365.00
HDM3-63S 4P 25KA S-Type	32,40,50,63A	410.00
HDM3-100S 4P 25KA S-Type	80,100A	450.00
HDM3-100F 4P 35KA S-Type	80,100A	500.00
HDM3-63F 4P 50KA F-Type	32,40,50,63A	420.00
HDM3-100N 4P 50KA N-Type	80,100A	565.00
HDM2-125MX Shunt Trip Coil	For MCCB 2P 125A & Below	165.00
HDM3-63MX Shunt Trip Coil	For MCCB 63A & Below	165.00
HDM3-100MX Shunt Trip Coil	For MCCB 100A	165.00

Remark : Price are subject to change without prior notice.

Re: Himel Price List 2021 for Himel Circuit Breakers

7) Himel Isolator

Model	Description	Unit Price (RM)
HDG3232	HDG3 2P 32A Isolator	28.50
HDG3240	HDG3 2P 40A Isolator	28.50
HDG3263	HDG3 2P 63A Isolator	32.00
HDG3332	HDG3 3P 32A Isolator	47.00
HDG3340	HDG3 3P 40A Isolator	47.00
HDG3363	HDG3 3P 63A Isolator	49.00
HDG33100	HDG3 3P 100A Isolator	102.00
HDG3463	HDG3 4P 63A Isolator	70.00
HDG34100	HDG3 4P 100A Isolator	123.00

8) Himel Surge Protective Device

Model	Description	Unit Price (RM)
HDY3205	SPD HDY3-20 1P+N 385V 20kA	165.00
HDY3206	SPD HDY3-20 3P+N 385V 20kA	330.00
HDY3405	SPD HDY3-40 1P+N 385V 40kA	295.00
HDY3406	SPD HDY3-40 3P+N 385V 40kA	590.00
HDY3655	SPD HDY3-65 1P+N 385V 65kA	680.00
HDY3656	SPD HDY3-65 3P+N 385V 65kA	1360.00
HDY3806	SPD HDY3-80 3P+N 385V 80kA	1850.00
HDY31206	SPD HDY3-120 3P+N 385V 120kA	3100.00

9) Himel Modular Contactor

Model	Description	Unit Price (RM)
HDCH8S25220	25A 2P Modular Contactor (1 Modular)	63.00
HDCH8S40220	40A 2P Modular Contactor (2 Modular)	140.00
HDCH8S63220	63A 2P Modular Contactor (2 Modular)	177.00
HDCH8S25440	25A 4P Modular Contactor (2 Modular)	115.00
HDCH8S404400	40A 4P Modular Contactor (3 Modular)	203.00
HDCH8S634400	63A 4P Modular Contactor (3 Modular)	240.00

10) Himel Digital Times Switch (24 Hours)

Model	Description	Unit Price (RM)
HKG816B230	AC230V Timer Transparent Cover (8-on-8-off)	147.00

Remark : Price are subject to change without prior notice.

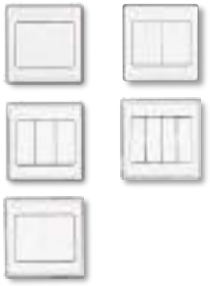
Re: Himel Price List 2022 for Himel Thermal Overload Relay-HDR3s Series

Model	Description	Unit Price (RM)
HDR3s25P16	HDR3s-25 0.16A (0.10 - 0.16)A	74.50
HDR3s25P25	HDR3s-25 0.25A (0.16-0.25)A	74.50
HDR3s25P4	HDR3s-25 0.4A (0.25-0.4)A	74.50
HDR3s25P63	HDR3s-25 0.63A (0.4-0.63)A	74.50
HDR3s251	HDR3s-25 1A (0.63-1.0)A	74.50
HDR3s251P6	HDR3s-25 1.6A (1.0-1.6)A	74.50
HDR3s252P5	HDR3s-25 2.5A (1.6-2.5)A	74.50
HDR3s254	HDR3s-25 4A (2.5-4.0)A	74.50
HDR3s256	HDR3s-25 6A (4-6)A	74.50
HDR3s258	HDR3s-25 8A (5.5-8)A	74.50
HDR3s2510	HDR3s-25 10A (7-10)A	74.50
HDR3s2513	HDR3s-25 13A (9-13)A	74.50
HDR3s2518	HDR3s-25 18A (12-18)A	74.50
HDR3s2525	HDR3s-25 25A (17-25)A	74.50
HDR3s3832	HDR3s-38 32A (23-32)A	102.00
HDR3s3840	HDR3s-38 40A (32-38)A	102.00
HDR3s9325	HDR3s-93 25A (17-25)A	150.00
HDR3s9332	HDR3s-93 32A (23 - 32)A	150.00
HDR3s9340	HDR3s-93 40A (30 - 40)A	150.00
HDR3s9350	HDR3s-93 50A (37 - 50)A	150.00
HDR3s9365	HDR3s-93 65A (48 - 65)A	150.00
HDR3s9380	HDR3s-93 80A (63- 80)A	180.00
HDR3s9393	HDR3s-93 93A (80 - 93)A	180.00
HFT620	HFT6 Air Delay Head 0.1 - 3S (Making Time Delay)	73.00
HFT622	HFT6 Air Delay Head 0.1 - 30S (Making Time Delay)	73.00
HFT624	HFT6 Air Delay Head 10 - 180S (Making Time Delay)	73.00
HFT630	HFT6 Air Delay Head 0.1 - 3S (Breaking Time Delay)	73.00
HFT632	HFT6 Air Delay Head 0.1 - 30S (Breaking Time Delay)	73.00
HFT634	HFT6 Air Delay Head 10 - 180S (Breaking Time Delay)	73.00
HRF632H	(HDC3-9 to 32) Mechanical lnterlock Horizontal lnstallation	42.00
HRF695H	(HDC3-40 to 95) Mechanical lnterlock Horizontal lnstallation	58.00

Remark : Price are subject to change without prior notice.

(w.e.f 1st July 2022)

List Price



Part Number	Standard Pack	Carton Qty	Item Description	List Price (RM)
Flush Switches				
HWDA1S	10	100	10AX 1 Gang 1 Way Switch	7.80
HWDA2S	10	100	10AX 2 Gang 1 Way Switch	12.50
HWDA3S	10	100	10AX 3 Gang 1 Way Switch	18.00
HWDA4S	10	100	10AX 4 Gang 1 Way Switch	26.60
HWDA1S2	10	100	10AX 1 Gang 2 Way Switch	15.00
HWDA2S2	10	100	10AX 2 Gang 2 Way Switch	21.00
HWDA3S2	10	100	10AX 3 Gang 2 Way Switch	27.80
HWDA4S2	10	100	10AX 4 Gang 2 Way Switch	39.00
HWDABS	10	100	10AX 1 Gang Bell Switch	13.00



Double Pole Switches				
HWDA20S	10	100	20A 1 Gang Double Pole Switch with Neon	30.50
HWDA20S2	10	100	20A 1 Gang 2 Way Double Pole Switch with Neon **(Big Rocket)**	35.60
HWDA45S	10	100	45A 1 Gang Double Pole Switch with Neon	38.00



Socket Outlets				
HWDA13SS	10	100	13A 1 Gang Switched Socket	9.50
HWDA13SN	10	100	13A 1 Gang Switched Socket with Neon	19.10
HWDAT13SN	5	50	13A 2 Gang Switched Socket with Neon	40.50
HWDA15SS	10	100	15A 1 Gang Switched Socket	21.00
HWDA15SN	10	100	15A 1 Gang Switched Socket with Neon	42.20
HWDAUS	10	100	13A 1 Gang 3 Pin Universal Socket (Multi-fuction)	22.70
HWDAUSUSB	10	100	13A 1 Gang 3 Pin Universal Socket + 2 Gang USB (2.1A)	74.00



Telecommunication Accessories				
HWDA1TS	10	100	1 Gang RJ11 Telephone Socket 4 Pin	12.30
HWDA2TS	10	100	2 Gang RJ11 Telephone Socket 4 Pin	19.50
HWDA1DS	10	100	1 Gang RJ45 Data Socket CAT5e 8 Pin	29.20
HWDA1DS6	10	100	1 Gang RJ45 Data Socket CAT6 8 Pin	35.00
HWDA2DS	10	100	2 Gang RJ45 Data Socket CAT5e 8 Pin	55.00
HWDA1SS	10	100	1 Gang F Type Satellite Socket	15.70
HWDA1S1T	10	100	1 Gang F Type Satellite. + RJ11 Telephone Socket 4 Pin	30.00
HWDAB	20	200	1 Gang Blank Plate	4.90

Remark : Price are subject to change without prior notice.

MH Series **CURRENT TRANSFORMERS -- Malaysia**

CT Series

0.72kV 50Hz. Ring Type PVC Insulated
Compliance : BS 7626/1993, IEC 185, IEC60044-1, IEC61869-1
RoHS, UKCA and CE certified.

2026 PRICE LIST

All Prices are Unit LIST PRICE in Ringgit Malaysia

#	Ratio	Class 1 15VA	Class 3 5VA	Class 5P10 15VA	Class 10P5 15VA	Class 10P10 15VA
1)	**60/5**	RM202.00	RM33.00	----	RM278.00	----
2)	**100/5**	RM138.00	RM33.00	RM342.00	RM156.00	RM313.00
3)	**150/5**	RM80.00	RM33.00	RM297.00	RM150.00	RM261.00
4)	**200/5**	RM77.00	RM30.00	RM258.00	RM129.00	RM250.00
5)	**250/5**	RM56.00	RM31.00	RM237.00	RM131.00	RM192.00
6)	**300/5**	RM57.00	RM32.00	RM224.00	RM134.00	RM203.00
7)	**400/5**	RM58.00	RM35.00	RM210.00	RM135.00	RM187.00
8)	**500/5**	RM59.00	RM38.00	RM197.00	RM98.00	RM176.00
9)	**600/5**	RM61.00	RM39.00	RM198.00	RM109.00	RM175.00
10)	**800/5**	RM62.00	RM48.00	RM190.00	----	RM168.00
11)	**1000/5**	RM68.00	RM55.00	RM176.00	----	RM149.00
12)	**1200/5**	RM74.00	RM60.00	RM179.00	----	RM153.00
13)	**1500/5**	RM82.00	RM74.00	RM180.00	----	RM157.00
14)	**1600/5**	RM84.00	RM76.00	RM183.00	----	RM159.00
15)	**2000/5**	RM92.00	RM78.00	RM204.00	----	RM184.00
16)	**2500/5**	RM102.00	RM88.00	RM214.00	----	RM197.00
17)	**3000/5**	RM127.00	RM105.00	RM221.00	----	RM205.00
18)	**3200/5**	RM158.00	RM128.00	RM229.00	----	RM207.00
19)	**3500/5**	RM173.00	RM154.00	RM276.00	----	RM219.00
20)	**4000/5**	RM191.00	RM167.00	RM311.00	----	RM235.00
21)	**5000/5**	RM255.00	RM228.00	RM386.00	----	RM271.00

1. Prices and Dimensions are subject to change without prior notice / Prices effective from 1st August 2023
2. Prices quoted above are ex-Kuala Lumpur in Ringgit Malaysia, Ex-Stock Price.
3. Prices for ranges not found in our price lists are available upon request / Bracket extra cost at **RM2.00**/pc

Remark : Price are subject to change without prior notice.

MH -- CP Series

Measuring Instruments (Analog Meters)

PRICE LIST

CP Series

			Discount :		
#	**Description**	**Range**	**List Price (RM)**		
	90° scale		**CP 48 (48 x 48 mm)**	**CP 72 (72 x 72 mm)**	**CP 96 (96 x 96 mm)**
1	AMMETER C/W PLATE (AC)	CT Operated …./1A	**$202.00**	**$121.25**	**$121.25**
		CT Operated …./5A	**$202.00**	**$48.00**	**$46.00**
2	VOLTMETER (AC)	0-500V	**$202.00**	**$54.00**	**$52.00**
		150V , 300V , 600V	**$202.00**	**$60.00**	**$58.00**
3	DIRECT AMMETER (AC)	Direct 5A, 10A, 15A, 20A, 25A	-	**$63.00**	**$60.00**
		Direct 30A, 40A, 60A	-	**$74.00**	**$70.00**
4	FREQUENCY METER	45-55HZ, 230V or 415V (11 Reed)	-	**$154.00**	**$152.00**
		45-55HZ, 230V or 415V (Pointer)	-	**$154.00**	**$144.00**
		45-65HZ, 230V or 415V (Pointer)	-	-	**$160.00**
5	POWER FACTOR METER	0.5-1-0.5 …/5A 415VAC, 4 Terminals	-	-	**$240.00**
6	MAXIMUM DEMAND AMMETER	2 Pointer …/5A 20% OS 15mins	-	**180.00**	**$138.00**
		3 Pointer …/5A 20% OS 15mins	-	-	**$254.00**
7	DC AMMETER	Direct 5A, 10A, 15A, 20A, 25A	**202.00**	**$111.20**	**$111.20**
8	DC AMMETER (Moving Coil)	…..A / 60mV *(Without Shunt)	-	**$78.00**	**$78.00**
9	DC VOLTMETER (Moving Coil)	Below 200V/1mA	-	**$108.00**	**$108.00**
		200V- 999V/1mA	-	**$162.00**	**$162.00**
		Above 1000V/1mA	-	**$202.00**	**$202.00**
10	HOUR RUN METER	Display 99999.99 AC220V/50HZ	**$62.70**	**$114.00**	**$106.00**
11	PHASE SEQUENCE METER	150V-600V	-	-	**$296.00**
12	KILOWATT METER 3Ø4W	415V, 5A (with 1 CT) Bal 4 terminal	-	-	**$330.00**
		415V, 5A (with 3 CT) Unbal 10 terminal	-	-	**$348.00**
13	SYNCHRONOSCOPE	415V, 5A	-	-	**$834.00**
14	DOUBLE FREQUENCY	45- 55 HZ 415V, 5A (Reed)	-	-	**$324.00**
15	DOUBLE VOLTMETER	2 X 500V	-	-	**$318.00**

**Ammeter > 1000A if don't want kA need add RM 3.00 nett*

**Moving coil type DC Ammeters must go through the appropriate external shunt to produce accurate reading*

Remark : Price are subject to change without prior notice.

VISHAY ESTAprop® PhMKP series -- Germany

VISHAY

POWER FACTOR CORRECTION CAPACITORS - OIL Type

			Discount :	
Rated Output	**Rated Voltage (PhMKP440 .3. …)**	**Combination**	**LIST Unit Price**	**Price/Kvar**
5 kVar	440V 3Ø 50Hz	Single Unit	**$437.50**	**$87.50**
10 kVar	440V 3Ø 50Hz	Single Unit	**$537.50**	**$53.75**
15 kVar	440V 3Ø 50Hz	Single Unit	**$690.00**	**$46.00**
20 kVar	440V 3Ø 50Hz	Single Unit	**$616.00**	**$30.80**
25 kVar	440V 3Ø 50Hz	Single Unit	**$770.00**	**$30.80**
30 kVar	440V 3Ø 50Hz	Single Unit	**$924.00**	**$30.80**
40 kVar	440V 3Ø 50Hz	20 kVar x 2	**$1,232.00**	**$30.80**
50 kVar	440V 3Ø 50Hz	25 kVar x 2	**$1,540.00**	**$30.80**
60 kVar	440V 3Ø 50Hz	30 kVar x 2	**$1,848.00**	**$30.80**
75 kVar	440V 3Ø 50Hz	25 kVar x 3	**$2,310.00**	**$30.80**
80 kVar	440V 3Ø 50Hz	25kVar x 2, 30kVar x 1	**$2,464.00**	**$30.80**
100 kVar	440V 3Ø 50Hz	25 kVar x 4	**$3,080.00**	**$30.80**

We reserve the right to change the combinations stated in this price list

Rated Output	**Rated Voltage (PhMKP525 .3. …)**	**Combination**	**LIST Unit Price**	**Price/Kvar**
5 kVar	525V 3Ø 50Hz	Single Unit	**$445.00**	**$89.00**
10 kVar	525V 3Ø 50Hz	Single Unit	**$476.50**	**$47.65**
15 kVar	525V 3Ø 50Hz	Single Unit	**$635.25**	**$42.35**
20 kVar	525V 3Ø 50Hz	Single Unit	**$734.00**	**$36.70**
25 kVar	525V 3Ø 50Hz	Single Unit	**$775.00**	**$31.00**
30 kVar	525V 3Ø 50Hz	15 kVar x 2	**$1,270.50**	**$42.35**
40 kVar	525V 3Ø 50Hz	20 kVar x 2	**$1,468.00**	**$36.70**
50 kVar	525V 3Ø 50Hz	25 kVar x 2	**$1,550.00**	**$31.00**
60 kVar	525V 3Ø 50Hz	20 kVar x 3	**$2,202.00**	**$36.70**
75 kVar	525V 3Ø 50Hz	25 kVar x 3	**$2,325.00**	**$31.00**
80 kVar	525V 3Ø 50Hz	20 kVar x 4	**$2,936.00**	**$36.70**
100 kVar	525V 3Ø 50Hz	25 kVar x 4	**$3,100.00**	**$31.00**

Note : The capacitors are supplied with 1meter cable & other accessories

PRICES: RINGGIT MALAYSIA EX-KUALA LUMPUR PRICE.
STOCK: NORMALLY EX-STOCK KUALA LUMPUR / SINGAPORE SUBJECT TO PRIOR SALE
OTHERWISE INDENT FROM PRINCIPAL
NOTE: PRICES AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE
OTHERS: PRICES FOR OTHER RANGES NOT STATED AVAILABLE UPON REQUEST

VISHAY ESTAdry® ACMKP series -- GERMANY

LOW VOLTAGE POWER FACTOR CORRECTION CAPACITORS - DRY Type

VISHAY

PRICE LIST

			Discount :	
Rated Output	**Rated Voltage (ACMKP440 .3. …)**	**Combination**	**LIST Unit Price**	**Price/Kvar**
5 kVar	440V 3Ø 50Hz	Single Unit	**$425.00**	**$85.00**
10 kVar	440V 3Ø 50Hz	Single Unit	**$525.00**	**$52.50**
15 kVar	440V 3Ø 50Hz	Single Unit	**$661.50**	**$44.10**
20 kVar	440V 3Ø 50Hz	Single Unit	**$608.00**	**$30.40**
25 kVar	440V 3Ø 50Hz	Single Unit	**$760.00**	**$30.40**
30 kVar	440V 3Ø 50Hz	Single Unit	**$912.00**	**$30.40**
40 kVar	440V 3Ø 50Hz	20 kVar x 2	**$1,216.00**	**$30.40**
50 kVar	440V 3Ø 50Hz	25 kVar x 2	**$1,520.00**	**$30.40**
60 kVar	440V 3Ø 50Hz	30 kVar x 2	**$1,824.00**	**$30.40**
75 kVar	440V 3Ø 50Hz	25 kVar x 3	**$2,280.00**	**$30.40**
80 kVar	440V 3Ø 50Hz	25kVar x 2, 30kVar x 1	**$2,432.00**	**$30.40**
100 kVar	440V 3Ø 50Hz	25 kVar x 4	**$3,040.00**	**$30.40**

We reserve the right to change the combinations stated in this price list

Note : The capacitors are supplied with 1meter cable & other accessories

THE ABOVE PRICES ARE EFFECTIVE FROM 1ST AUGUST 2023

PRICES: RINGGIT MALAYSIA EX-KUALA LUMPUR PRICE.

STOCK: NORMALLY EX-STOCK KUALA LUMPUR / SINGAPORE SUBJECT TO PRIOR SALE OTHERWISE INDENT FROM PRINCIPAL.

NOTE: PRICES AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

OTHERS: PRICES FOR OTHER RANGES NOT STATED AVAILABLE UPON REQUEST