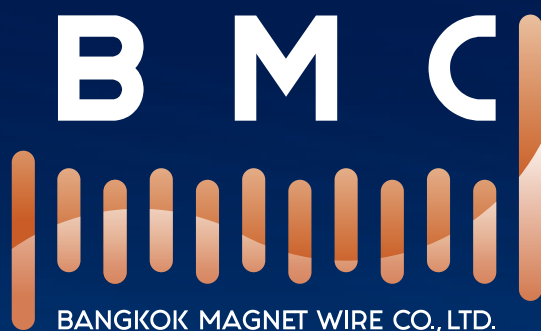




BANGKOK MAGNET WIRE

The Smarter Choice



welcome to BANGKOK MAGNET WIRE

At BMC, we combine vertical integration with innovation to ensure minimal supply chain disruptions to help you keep production uptime. Innovation is the core strength of BMC, ensuring that our products helps you solve business challenges and meet your technology needs today. Challenge us with your magnet wire needs and our teams of engineers will be with you from design to production to deliver the best wire for your application

We are

S M A R T

Slim
Multi-Skill
Automation
Range
Transparency



www.bangkokmagnetwire.com

bangkok magnet wire

COMPANY PROFILE 2018

THE SMARTER CHOICE

OUR MISSION : Customer Driven

We plan to become Thailand's largest manufacturer in magnet wire with partners across industries. Our portfolio will cover all ranges of magnet wire products and solutions to fully serve the need of our customers leading to sustainable growth and profit.

OUR VISION : An Industry 4.0 Company

Established in 2017, we aim to become the highest standard in magnet wire in Thailand at the most competitive prices. Through value driven smart manufacturing and using the latest state-of-the-art technology, we strive to meet the needs of our customers and partners.

Our strategy is to implement an industry 4.0 approach to how we do business by digitally transforming our operations and communications deriving from a lean manufacturing approach leading to higher overall value delivered to our customers.

OUR VALUES



Innovation - We believe in challenging the status quo, becoming leaders in manufacturing and implementing the latest technology to our operations.



Impact - We combine innovation and execution to continuously develop our operations and products to provide complete all-round solutions for wide-ranging applications.



Integrity - We do business with ethics and integrity, no challenge is too big or too small when it comes to doing the right thing.



Idea - We invest in our people, respect different opinions and ideas leading to personal and professional development.



Products and Solutions

PRODUCTS



Higher Quality

Over 50 years our strategic partner is known throughout Thailand as one of the highest quality electrical cable manufacturers. At BMC, we share the same vision and our customers can expect the same level of quality and service from our vast experience and expertise.



Lower Price

Through continuous innovation and investments in R&D, we ensure that our customers receive the highest quality magnet wire at the most competitive prices.



Faster Delivery

Our focus is to provide the fastest solutions that will avoid production downtime and operational failures. From our in-house logistics to BMC express service, we guarantee our operations lead to the fastest magnet wire to reach your hands.

SOLUTIONS



Automotive

BMC is dedicated to the improvement of performance of vehicles with our magnet wire products and aim to engineer the next generation of magnet wire products, providing seamless transfer and delivery to assembly plants. We also are able to provide solutions with starters, braking systems and various fan, blower, and wiper motors.



Energy

BMC magnet wire helps transformers and generators supply electricity reliably from the grid to your homes. At BMC, we offer a broad range of copper magnet wire for power transformers, distribution transformers and generators, both dry-type and oil filled transformers. At BMC, we strive to meet our customer demands and we want to help you deliver the next generation of transformers or generators. .



Industrial

We work closely with our customers to meet their demands, we offer bare and enamel wire that can be used in low-voltage to high voltage applications with product customization to handle harsh industrial environments.



Message

from

Managing Director



Our vision towards 2020 is to become the most innovative and technologically driven manufacturer of magnet wire in ASEAN with a key focus towards strengthening our market position to meet the demands of today and tomorrow. Established in 2017, we plan to disrupt and influence change in the market, being the bridge that links customers with the highest quality products and the most competitive prices. We carefully place a strong focus towards collaborative growth and believe in helping our suppliers, customers and strategic partners grow together on this journey.

Thailand and the ASEAN region provides us with exciting prospects of the future due to the growing economy and increasing demand in emerging markets. Our competitive advantages lie in the regional network of strategic supply chain partnerships that have been forged over three generations as well as a leadership team with vast experience and expertise in this field for more than 30 years. Ultimately, this enhances our ability to deliver tailored solutions that not only meets a wide range of customer needs but also will change the market landscape for the better.

We strive to seek new opportunities for growth and will continue to operate by our mission of becoming Thailand's market leader in magnet wire, to create long-term and lasting value for our stakeholders. My team and I will work passionately and diligently to meet all economic, environmental and social challenges that face us.

Finally, to our customers, I would like to personally say thank you for trusting us with your support and belief in our products and people. We will continue to innovate superior solutions to always meet changing expectations and deliver the most value for you.

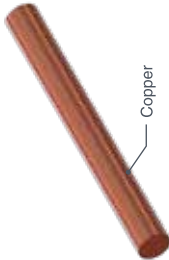
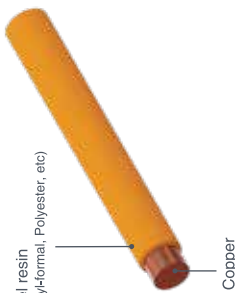
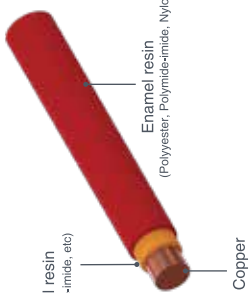
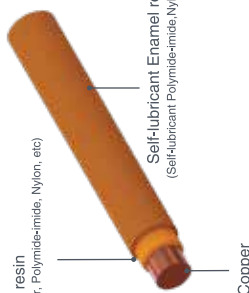
A stylized, handwritten signature in black ink, appearing to read 'Pongsapak'.

Mr. Pongsapak Nakornsri

Managing Director



Products and Solutions

Product Name	Type	Image	Abbreviation	Temp. Index (°C)	Application
ABW	Bare wire		-	-	- Wire for automotive - Soudronic wire for metal packaging
PVF	Polyvinyl formal		PF	120	- Transformer - Motor - Magnet coil
UEW	Polyurethane		UW	155	- Transformer - Motor - Magnet coil
PEW	Polyester		PW	155	- Transformer - Motor - Magnet coil
EIW	Polyester imide		EI	180	- Microwave oven transformer - Magnet coils for heat-resistant component - Motor for electrical equipment
AM200	Polyester imide overcoated with polyamide-imide		AM	200	- Transformer - Motor - Magnet Coil
AIW	Polyamide-imide		AI	220	- Microwave oven transformer - Magnet coils for heat-resistant component - Motor for electrical equipment
UEWN	Polyurethane overcoated with polyamide		UN	155	- Motor - High efficiency motor
PEWN	Polyester overcoated with polyamide		PN	155	- Motor - High efficiency motor
AM200S	Polyester imide overcoated with self-lubricant polyamide-imide		AS	200	- Transformer - Motor - Magnet coil
AM200A	Polyester imide overcoated with self-lubricant polyamide-imide		AA	200	- Transformer - Motor - Magnet coil

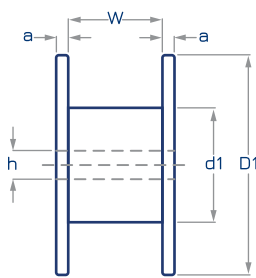


Products and Solutions

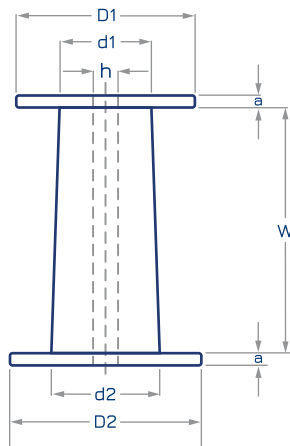
TABLE : Compatibility to various varnishes

● : Acceptable for use ▲ : Necessary to examine before use

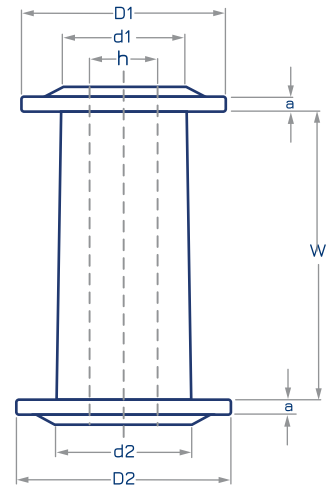
Packaging and Specification



P-20



PT-10, PT-15, PT-25, PT-60



PT-90, PT-200



Plastic Spool Dimension

Spool Type	Dimension (mm.)							Capacity (kg)	Weight (grams)
	Flange Diameter		Barrel Diameter		Inside wide	Flange Thickness	Bore Diameter		
	D1	D2	d1	d2	w	a	h		
P - 20	270	-	140	-	115	15	35	20	900 ± 20
PT - 10	160	180	95	110	200	15	30	10	500 ± 10
PT - 15	180	200	96	110	200	15	30	15	740 ± 10
PT - 25	215	230	110	130	250	15	30	25	1000 ± 20
PT - 60	270	300	150	180	350	25	45	60	2400 ± 40
PT - 90	300	315	180	200	425	20	100	90	3900 ± 50
PT - 200	375	400	224	250	530	50	100	200	7300 ± 50



Packaging and Specification

Dimensional Table of Enameled Wire

Conductor				Class 0			Class 1			Class 2			Maximum Conductor resistance 20°C (Ω/KM)	
SWG No.	Diameter (mm)	Tolerance (mm)		Minimum Film Thickness (mm)	Maximum overall diameter (mm)	Estimate weight (kg/km)	Minimum Film Thickness (mm)	Maximum overall diameter (mm)	Estimate weight (kg/km)	Minimum Film Thickness (mm)	Maximum overall diameter (mm)	Estimate weight (kg/km)		
		Class 0,1	Class 2										Class 0,1	Class 2
10	3.20	± 0.040	-	0.049	3.388	72.4	0.034	3.338	72.2	-	-	-	2.198	-
-	3.00	± 0.030	-	0.049	3.178	63.7	0.034	3.128	63.4	-	-	-	2.489	-
11	2.90	± 0.030	-	0.049	3.078	59.5	0.034	3.028	59.3	-	-	-	2.665	-
-	2.80	± 0.030	-	0.049	2.978	55.5	0.034	2.928	55.3	-	-	-	2.861	-
-	2.70	± 0.030	-	0.049	2.878	51.7	0.034	2.828	51.4	-	-	-	3.079	-
12	2.60	± 0.030	-	0.049	2.778	47.9	0.034	2.728	47.7	-	-	-	3.324	-
-	2.50	± 0.030	-	0.049	2.678	44.3	0.034	2.628	44.1	-	-	-	3.598	-
-	2.40	± 0.030	-	0.048	2.574	40.9	0.033	2.526	40.7	-	-	-	3.908	-
13	2.30	± 0.030	-	0.046	2.468	37.6	0.032	2.422	37.4	-	-	-	4.260	-
-	2.20	± 0.030	-	0.046	2.368	34.4	0.032	2.322	34.2	-	-	-	4.662	-
-	2.10	± 0.030	-	0.045	2.266	31.3	0.031	2.220	31.2	-	-	-	5.123	-
14	2.00	± 0.030	-	0.044	2.162	28.4	0.030	2.118	28.3	-	-	-	5.656	-
-	1.90	± 0.030	-	0.044	2.062	25.7	0.030	2.018	25.6	-	-	-	6.278	-
15	1.80	± 0.030	-	0.042	1.956	23.1	0.029	1.914	22.9	-	-	-	7.007	-
15.5	1.70	± 0.030	-	0.042	1.856	20.6	0.029	1.814	20.5	-	-	-	7.871	-
16	1.60	± 0.030	-	0.041	1.754	18.3	0.028	1.712	18.2	-	-	-	8.906	-
16.5	1.50	± 0.030	-	0.041	1.654	16.1	0.028	1.612	16.0	-	-	-	10.16	-
17	1.40	± 0.030	-	0.039	1.548	14.0	0.027	1.508	13.9	-	-	-	11.70	-
17.5	1.30	± 0.030	-	0.039	1.448	12.1	0.027	1.408	12.0	-	-	-	13.61	-
18	1.20	± 0.030	-	0.037	1.342	10.3	0.026	1.304	10.2	-	-	-	16.04	-
18.5	1.10	± 0.030	-	0.037	1.242	8.70	0.026	1.204	8.63	-	-	-	19.17	-
19	1.00	± 0.030	± 0.012	0.036	1.138	7.21	0.025	1.102	7.14	0.017	1.062	7.08	23.33	22.49
19.5	0.95	± 0.020	± 0.010	0.034	1.072	6.49	0.024	1.038	6.44	0.017	1.008	6.39	25.38	24.84
20	0.90	± 0.020	± 0.010	0.033	1.020	5.83	0.023	0.986	5.78	0.016	0.956	5.74	28.35	27.71
20.5	0.85	± 0.020	± 0.010	0.032	0.966	5.21	0.022	0.934	5.16	0.015	0.904	5.12	31.87	31.11
21	0.80	± 0.020	± 0.010	0.031	0.914	4.62	0.021	0.882	4.57	0.015	0.852	4.54	36.08	35.17
21.5	0.75	± 0.020	± 0.008	0.030	0.860	4.06	0.020	0.830	4.02	0.014	0.798	3.99	41.19	39.87
22	0.70	± 0.020	± 0.008	0.028	0.804	3.54	0.019	0.776	3.51	0.013	0.746	3.47	47.47	45.84
22.5	0.65	± 0.020	± 0.008	0.027	0.752	3.06	0.018	0.724	3.03	0.012	0.694	3.00	55.31	53.26
23	0.60	± 0.020	± 0.008	0.026	0.698	2.61	0.017	0.672	2.58	0.012	0.644	2.56	65.26	62.64
24	0.55	± 0.020	± 0.006	0.025	0.646	2.20	0.017	0.620	2.17	0.012	0.592	2.15	78.15	74.18
25	0.50	± 0.010	± 0.006	0.025	0.586	1.82	0.017	0.560	1.80	0.012	0.542	1.78	91.43	89.95
26	0.45	± 0.010	± 0.006	0.024	0.532	1.48	0.016	0.508	1.46	0.011	0.490	1.44	114.2	112.1
27.5	0.40	± 0.010	± 0.005	0.023	0.480	1.17	0.015	0.456	1.15	0.011	0.439	1.14	145.3	141.7
-	0.37	± 0.010	± 0.005	0.022	0.446	1.00	0.014	0.424	0.99	0.010	0.407	0.98	170.6	165.9
29	0.35	± 0.010	± 0.005	0.021	0.424	0.90	0.014	0.402	0.89	0.010	0.387	0.88	191.2	185.7
30	0.32	± 0.010	± 0.005	0.021	0.394	0.76	0.014	0.372	0.74	0.010	0.357	0.73	230.0	222.8
31	0.30	± 0.010	± 0.005	0.021	0.374	0.67	0.014	0.352	0.65	0.010	0.337	0.65	262.9	254.0
-	0.29	± 0.010	± 0.004	0.020	0.360	0.62	0.013	0.340	0.61	0.009	0.324	0.60	285.7	273.9
-	0.28	± 0.010	± 0.004	0.020	0.350	0.58	0.013	0.330	0.57	0.009	0.314	0.56	307.3	294.4
32	0.27	± 0.010	± 0.004	0.020	0.340	0.54	0.013	0.320	0.53	0.009	0.304	0.52	331.4	316.6
-	0.26	± 0.010	± 0.004	0.020	0.330	0.50	0.013	0.310	0.49	0.009	0.294	0.49	358.4	341.8
33	0.25	± 0.008	± 0.004	0.020	0.318	0.47	0.013	0.298	0.46	0.009	0.284	0.45	382.5	370.2
-	0.24	± 0.008	± 0.004	0.020	0.308	0.43	0.013	0.288	0.42	0.009	0.274	0.42	416.2	402.2
34	0.23	± 0.008	± 0.004	0.020	0.298	0.40	0.013	0.276	0.39	0.009	0.264	0.38	454.5	438.6
-	0.22	± 0.008	± 0.004	0.019	0.286	0.36	0.012	0.266	0.36	0.008	0.252	0.35	498.4	480.1
35	0.21	± 0.008	± 0.003	0.019	0.276	0.33	0.012	0.256	0.32	0.008	0.241	0.32	549.0	522.8
-	0.20	± 0.008	± 0.003	0.019	0.266	0.30	0.012	0.246	0.30	0.008	0.231	0.29	607.6	577.2
36	0.19	± 0.008	± 0.003	0.019	0.256	0.27	0.012	0.236	0.27	0.008	0.221	0.26	676.2	640.6
-	0.18	± 0.008	± 0.003	0.019	0.246	0.25	0.012	0.226	0.24	0.008	0.211	0.24	757.2	715.0
37	0.17	± 0.008	± 0.003	0.018	0.232	0.22	0.011	0.214	0.22	0.007	0.199	0.21	853.5	803.2
-	0.16	± 0.008	± 0.003	0.018	0.222	0.20	0.011	0.204	0.19	0.007	0.189	0.19	969.5	908.8
38	0.15	± 0.008	± 0.003	0.017	0.210	0.17	0.010	0.192	0.17	0.006	0.177	0.16	1111.0	1037.0





The Smarter Choice

We are manufacturer of Copper Enamelled Wire and Copper Bare Wire.

Using technology and advanced innovations in the industry for a variety of operations to achieve sustainable growth and profitability.



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