

## Class 240 Aromatic Polyimide Tape Covered Bare Square Copper Magnet Wire

**Table1 Specifications**

Insulation Material	Aromatic polyamide tape
Heat Rating	240
Bare Wire Dimensions/ (mm)	Awg 1/0 – Awg14
Standard	MW 64-C



**Table 2 Properties**

Adhesion and Flexibility	No loss of adhesion between tape and conductor or between tape layers
Springback	Not more than 5.5°
Dielectric breakdown	Not less than 1000 V/mil (39370 V/mm) of the smallest thickness on one side of the tape cover (half the minimum increase)

**Features:**

High temperature stability

Excellent insulation performance

Good mechanical properties

Bare rectangular copper conductor

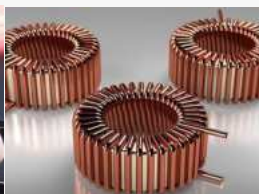
Dimensional stability

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Table 3

Dimensions for Tape-Covered Square Magnet Wire (mm)

AWG Size	N=2						N=3					
	t = 0.038		t = 0.051		t = 0.076		t = 0.038		t = 0.051		t = 0.076	
	Minimum Increase in Diameter	Maximum Overall Diameter	Minimum Increase in Diameter	Maximum Overall Diameter	Minimum Increase in Diameter	Maximum Overall Diameter	Minimum Increase in Diameter	Maximum Overall Diameter	Minimum Increase in Diameter	Maximum Overall Diameter	Minimum Increase in Diameter	Maximum Overall Diameter
1/0	0.127	8.562	0.178	8.639	0.254	8.791	0.203	8.639	0.254	8.740	0.381	8.943
1	0.127	7.650	0.178	7.727	0.254	7.879	0.203	7.727	0.254	7.828	0.381	8.031
2	0.127	6.838	0.178	6.914	0.254	7.066	0.203	6.914	0.254	7.015	0.381	7.219
3	0.127	6.114	0.178	6.190	0.254	6.342	0.203	6.190	0.254	6.292	0.381	6.495
4	0.127	5.469	0.178	5.545	0.254	5.697	0.203	5.545	0.254	5.646	0.381	5.850
5	0.127	4.895	0.178	4.971	0.254	5.123	0.203	4.971	0.254	5.072	0.381	5.276
6	0.127	4.384	0.178	4.460	0.254	4.613	0.203	4.460	0.254	4.562	0.381	4.765
7	0.127	3.929	0.178	4.006	0.254	4.158	0.203	4.006	0.254	4.107	0.381	4.310
8	0.127	3.515	0.178	3.592	0.254	3.744	0.203	3.592	0.254	3.693	0.381	3.896
9	0.127	3.162	0.178	3.239	0.254	3.391	0.203	3.239	0.254	3.340	0.381	3.543
10	0.127	2.842	0.178	2.918	0.254	3.071	0.203	2.918	0.254	3.020	0.381	3.223
11	0.127	2.558	0.178	2.634	0.254	2.786	0.203	2.634	0.254	2.736	0.381	2.939
12	0.127	2.304	0.178	2.380	0.254	2.532	0.203	2.380	0.254	2.482	0.381	2.685
13	0.127	2.083	0.178	2.159	0.254	2.311	0.203	2.159	0.254	2.261	0.381	2.464
14	0.127	1.882	0.178	1.958	0.254	2.111	0.203	1.958	0.254	2.060	0.381	2.263



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