

Class 240 Aromatic Polyimide Tape Covered Bare Square Aluminum Magnet Wire

Table1 Specifications

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



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

High insulation resistance

Radiation resistance

Aging resistance

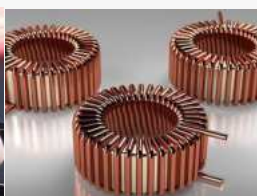
Good processing performance

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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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