

# DAMIC

Mica covered rectangular copper winding wire

## Product name

DAMIC

## Description

DAMIC refers to a rectangular bare copper wire insulated with two to four layers of mica tape. The tape consists of polyester film with a layer of mica filled epoxy. This insulation gives an excellent corona resistance.

## Field of applications

Examples of application for DAMIC is in electrical machines.

## Specification

DAMIC is manufactured acc. to Dahréntråd standard or customer specifications as IEC-specification is not available.

## Temperature index

Temperature index  $\geq 155^{\circ}\text{C}$  acc. to experience.  
Heat shock  $\geq 155^{\circ}\text{C}$ .

## Reels

DAMIC can be delivered on reel 500 and 630

## Tolerances, (without insulation)

In the figure "dimension range" you can read which dimensions can be produced. The normal tolerance and corner radius you can see in the tables below.

Width mm		Tolerance mm	Thickness mm		Tolerance mm	Thickness mm		Corner radius	
over	up to and including		over	up to and including		over	up to and including	mm	tolerance
2,00	3,15	+/-0,03	0,80	3,15	+/-0,03	0,80	1,00	halfround	
3,15	6,30	+/-0,05	3,15	6,30	+/-0,05	1,00	1,60	0,50	+/-25%
6,30	12,50	+/-0,07	6,30	7,00	+/-0,07	1,60	2,24	0,65	+/-25%
12,50	20,00	+/-0,10				2,24	3,35	0,80	+/-25%
						3,35		1,00	+/-25%

## Insulation thickness

Number of layers	Insulation thickness, mm		Overlap e=width of the tape
	Delivered	Pressed	
1	0,23	0,20 +/-0,01	d=e/2 +/-1
2	0,36	0,29 +/-0,01	d=e/2 +/-1
3	0,54	0,44 +/-0,02	d=e/3 +/-1
4	0,72	0,58 +/-0,03	d=0,4e +/-1

