



DAKAP CR

Rectangular conductor of copper, wrapped with Kapton® foil , class 240

Product name:

Dakap CR

Specifications:

Internal LWW or customer specification

UL approval:

Not approved

Class: 240

Temperature index $\geq 240^{\circ}\text{C}$

Heat shock: $\geq 260^{\circ}\text{C}$

Conductor material:

Cu according to EN 1977/ASTM B49

Properties:

- Very good thermal resistance
- Excellent resistance to humidity
- Good resistance to partial discharges

Field of application:

- Traction motors
- Large industrial motors
- Generators

Standard packaging:

Drum 500 and 630

Shelf life:

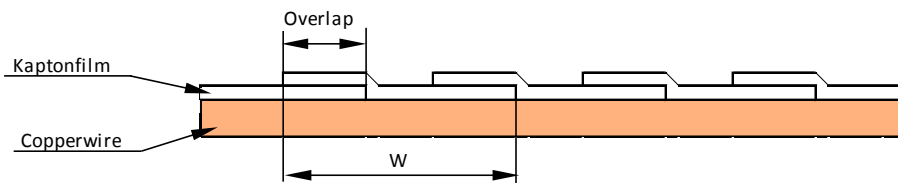
5 years, under normal ambient conditions

Conductor tolerances

Nominal width or thickness of the conductor (mm)		Tolerance +/- (mm)
Over	Up to and including	
-	3,15	0,030
3,15	6,30	0,050
6,30	12,50	0,070
12,50	-	0,100

Conductor corner radius

Nominal thickness of conductor (mm)		Corner radius (mm)	Tolerance
Over	Up to and including		
-	1,00	0,5 nominal thickness	+/- 25%
1,00	1,60	0,50	+/- 25%
1,60	2,24	0,65	+/- 25%
2,24	3,55	0,80	+/- 25%
3,55	-	1,00	+/- 25%



Standard insulation:

<u>Designation</u>	<u>Kapton</u>	<u>Overlap</u>	<u>Width</u>	<u>Increase (doublesided)</u>
Dakap 7050 CR	1 film 150FCR019	50%	11,1 mm	0,15 ± 0,03 mm
Dakap 7053 CR	1 film 150FCR019	53%	11,1 mm	0,23 ± 0,03 mm
Dakap 7031 CR	1 film 150FCR019	67%	11,1 mm	0,23 ± 0,03 mm
Dakap 7075 CR	1 film 150FCR019	75%	11,1 mm	0,30 ± 0,03 mm

DAKAP CR

Rectangular conductor of copper, wrapped with Kapton®foil, class 240

Properties for DAKAP CR

Main characteristics	Test method	Interval	Acceptance criteria
Thermal properties			
Heat shock	IEC 60851 - 6.3 ¹⁾	1,00 ≤ T ≤ 7,00	≥ 260°C
Temperature index	IEC 60172	-	≥ 240°C ²⁾
Electrical properties			
Conductor resistance	IEC 60851 - 5.3	4)	0,01709 Ωmm ² /m
Conductivity	1/R	4)	> 58 m/(Ωmm ²)
Breakdown voltage	IEC 60851 - 5.4 ³⁾	All sizes	> 5,0 kV
Mechanical properties			
Elongation	IEC 60851-3.3	1,00 ≤ T ≤ 2,50	≥ 30%
		T > 2,50	≥ 32%
Springback angle	IEC 60851-3.4	All sizes	≤ 5°
Flexibility	IEC 60851-3.5	2 ≤ W ≤ 8 mm	2 x width
		8 < W ≤ 16 mm	4 x width
- Bending edgewise		W > 16 mm	6 x width
- Bending flatwise		All sizes	2 x thickness
Adherence	IEC 60851-3.5	All sizes	20% stretch, Loss of adhesion max. 1mm
- Cut and stretch			

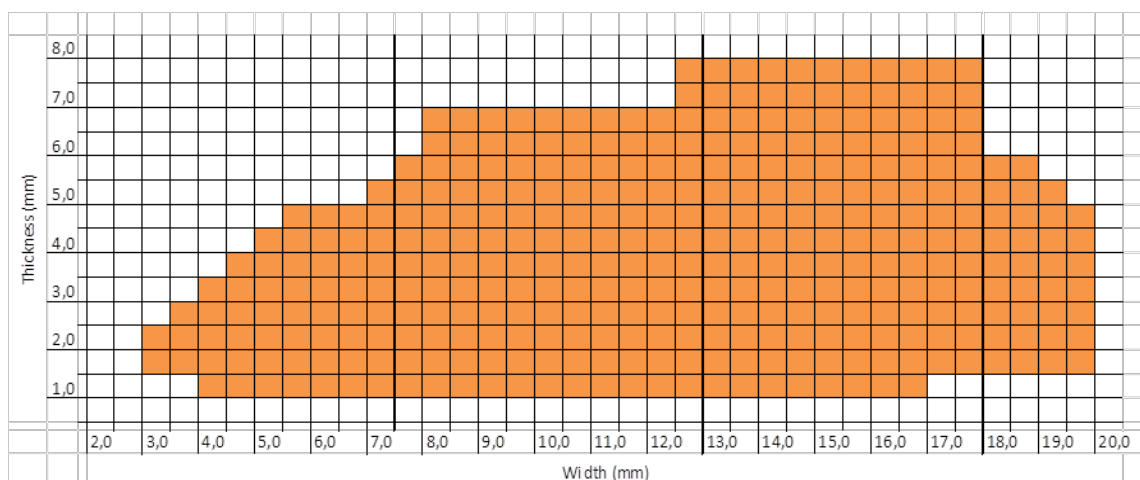
1. Performed on straight piece

2. According to supplier certificate

3. Bent according to flexibility test

4. Dependence of dimension is expressed by the unit

Dimension range



The technical data included is up to date at the time of printing.

LWW reserve the right to make any amendments deemed necessary

Liljedahl Winding Wire

dahréntråd | isodraht | śląska | 利里达尔电磁线
liljedahl winding wire