

DAPREST

Round corona-resistant enamelled winding wire of copper

Product name

DAPREST Grade 2

DAPREST Grade 3+

Description

DAPREST is a dual coat type of winding wire. The base coat is a THEIC-modified polyester or polyesterimide enamel. The overcoat is a corona-resistant polyamide-imide enamel.

Field of applications

Examples of applications for DAPREST are in all rotating machines where short transient pulses can occur i.e. asynchronous and synchronous machines with frequency converters for speed control and also in speed controlled DC machines.

Specifications

DAPREST meets the requirements for IEC-specification 60317-13, DIN EN 60317-13, NF EN 60317-13, BS EN 60317-13, MW 35-C.

Class 200

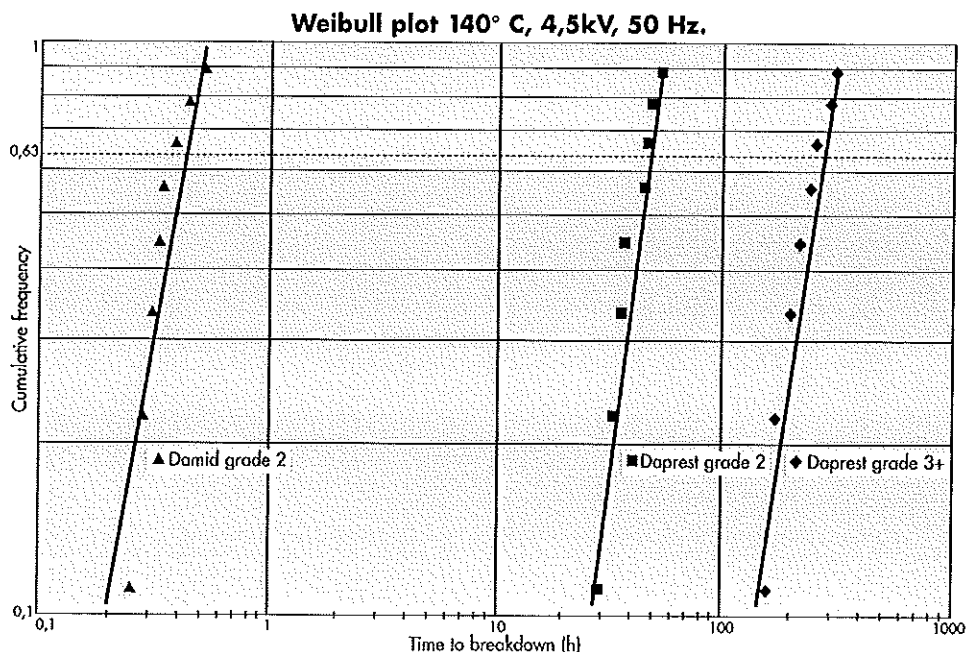
Temperature index $\geq 200^{\circ}\text{C}$ as per IEC 60172.

Heat shock $\geq 220^{\circ}\text{C}$.

Dimension range

0,30 - 5,00 mm

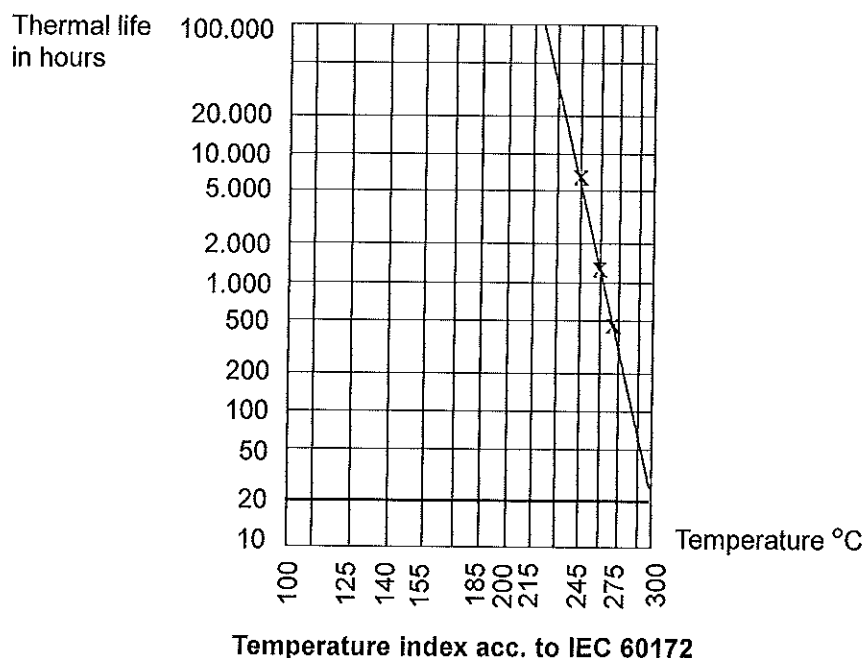
Testresults for PD-test



Typical test results for 0,90 mm

	Test method	Grade 2	Grade 3+
Mechanical properties			
Elongation	IEC 60851-3.3	40%	40%
Springness	IEC 60851-3.4	43°	47°
Mandrel winding test	IEC 60851-3.5.1	1xD	1xD
Jerk test	IEC 60851-3.5.3	OK	OK
Abrasion resistance	IEC 60851-3.6	>14 N	>14 N
Electrical properties			
Resistance	IEC 60851-5.3	0,02687Ω/m	0,02687Ω/m
Breakdown voltage	IEC 60851-5.4.4	>8,5 kV	>8,5 kV
PD Lifetime improvement factor		100 (approx)	600(approx)
Thermal properties			
Heat shock 220°C	IEC 60851-6.3	3xD	1xD
Thermoplasticity	IEC 60851-6.4	340°C	360°C
Temperature index*	IEC 60851-6.5	>200°C	>200°C
Chemical properties			
Solvent resistance	IEC 60851-4.3	15 (5H)	15 (5H)

*Long term graph



The technical data included is up to date at the time of printing.
 Dahréntrád reserve the right to make any amendments deemed necessary.