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Flat Copper Wire, enamelled, type W 180

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(1) Due to the variety of individual applications we cannot make any generally binding commitments regarding the compatibility. We recommend testing compatibility with the materials being used.

(2) Insulating varnish not polyamide modified.

(3) Not recommended for use in oil transformers.

(4) Tested according to IEC 60851-series, or DIN EN 60851-series, if not otherwise stated. The values shown correspond to the minimum requirements of the stated DIN EN standards. These standards do not rovide a guarantee of suitability for certain applications.

Temperature index (TI)

The temperature index is a dimensionless value and represents the long term thermal resistance or the admissible ageing temperature of the enamelled copper wire in °C for an extrapolated life span of 20,000 h. The temperature index does not necessarily correspond to the thermal class.

Thermal class

Enamelled copper wires according to IEC 60317-.. or DIN EN 60317-... are to be rated as Class X, if

(a) their long term thermal performance demonstrably proves an extrapolated life span of 20,000 h at an ageing temperature of min. X °C (tests preferably to be made on enamelled copper wires with a nominal diameter of 1.00 mm Grade 2) and

(b) the heat shock resistance complies with temperatures of 25 or 20°C above the rated thermal class.