



Continuously transposed conductors

Features:

- Reduced electrical losses – thanks to the reduction of Eddy current and a more uniform distribution of the temperature
- Reduced winding time – thanks to the simultaneous winding of many elementary conductors
- Increased space factor – thanks to the very small thickness of insulation of the single conductors

Continuously transposed conductors are often used in the construction of distribution and power transformers, and they can contribute to the overall performance and reliability of the transformer.

Epoxy resin is guaranteed to maintain its bonding properties unchanged for 6 months from the production date if stored in good conditions with a temperature lower than 31° C.



Continuously transposed conductors without Paper Technical

Transposition number	5 – 80 (odd or even optional)	
Maximum dimension	height 120 mm, width 26 mm (tolerance ± 0.05 mm);	
Single conductor size	thickness a: 0.90 – 3.15 mm, width B: 2.50 – 13.00 mm (tolerance ± 0.01 mm);	
width thickness of a single conductor is	$2.0 < B / a < 9.0$	
coating thickness of enameled wire	0.08-0.12mm	
Thermal Class	class H 180°C or Class E 105	
Conductor Materials	Copper & Aluminum	

Single strips		
Width of Single Strip [mm]	2,5 ÷ 12,5	5,0 ÷ 12,5
Thickness of Single Strip [mm]	0,8 ÷ 3,25	1,5 ÷ 3,25
Ratio Width/ Thickness of Single Strip	$\geq 2,5:1 \div \leq 7,5:1$	$\geq 2,5:1 \div \leq 7,0:1$
Cross Section of Single Strip [mm²]	4,35 ÷ 35	8,0 ÷ 35

Enamel	Type	Class	Double side thickness
Forvest	PVF	120C	0.06 ÷ 0.13 (± 0.02)
Thervest	PEI+PAI	120C	0.13 ÷ 0.15 (± 0.02)
Epoxy	Standard B- stage	120C	All sides 0.035 (± 0.015)
Epoxy P	Standard B- stage	120C	Only on flat 0.035 (± 0.015)
Epoxy HT	Special B- stage	>120C	Only on flat 0.035 (± 0.015)



