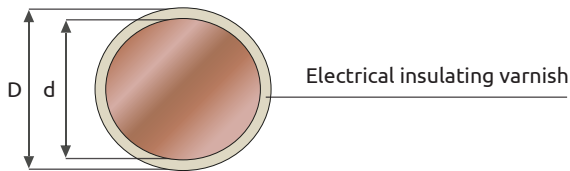


# PEVTL -180

Round copper enameled high-strength heat-resistant tinwinding wire with polyurethane insulation

**Class 180**



$D-d = \text{insulation}$

## Product name:

- PEVTL-1-180
- PEVTL-2-180

## Properties:

- Excellent mechanical strength
- High elasticity
- Direct soldering
- Short soldering time

## Size series:

$0,28 \leq \varnothing \leq 0,85 \text{ mm}$

## Class: 180

Temperature index: 180°C

Thermal shock: 200°C

Thermoplasticity of insulation: 230°C

## Breakdown voltage:

1600 - 5000 V

## Electrical resistance:

0,01724  $\Omega\text{mm}^2/\text{m}$

## Relative elongation:

from 22 - 32% and more

## Tinning:

390°C

## Chemical resistance:

Good

## Sphere application:

- High-speed winding machines
- Small motors and transformers
- Solenoid coils
- Electric machines, devices and appliances
- Relay

## Conductor material:

DSTU EN 1977 Cu - ETP CW004A

DSTU EN 1977 Cu - ETP1 CW003A

DSTU EN 1977 Cu - OF CW008A

## Isolation:

Enamel coating based on polyurethane

## Packaging:

Coils: K250; K400;

K315/500; K400/630

## Specification:

IEC 60317-51

TU U 31.3-13970259-004:2010

## Production is certified:

DSTU ISO 9001:20015 (ISO 9001:2015, IDT);

DSTU EN ISO 9001:2018 (EN ISO 9001:2015, IDT);

ISO 9001:2015.

Table of dimensional characteristics PEVTL -180

Temperature index 180 PEVTL-180					
Ø (mm)	Limit deviations of the wire, ± mm	PEVTL-1-180		PEVTL-2-180	
		Minimum Ø thickness isolation, mm	Maximum Ø send off, mm	Minimum Ø thickness isolation, mm	Maximum Ø send off, mm
0,280	0,004	0,018	0,312	0,033	0,329
0,300	0,004	0,019	0,334	0,035	0,352
0,315	0,004	0,019	0,349	0,035	0,367
0,335	0,004	0,020	0,372	0,038	0,391
0,355	0,004	0,020	0,392	0,038	0,411
0,375	0,005	0,021	0,414	0,040	0,434
0,380	0,005	0,021	0,419	0,040	0,439
0,400	0,005	0,021	0,439	0,040	0,459
0,425	0,005	0,021	0,466	0,042	0,488
0,450	0,005	0,022	0,491	0,042	0,513
0,475	0,005	0,024	0,519	0,045	0,541
0,500	0,005	0,024	0,544	0,045	0,566
0,530	0,006	0,025	0,576	0,047	0,600
0,560	0,006	0,025	0,606	0,047	0,630
0,600	0,006	0,027	0,649	0,050	0,674
0,630	0,006	0,027	0,679	0,050	0,704
0,670	0,007	0,028	0,722	0,053	0,749
0,710	0,007	0,028	0,762	0,053	0,789
0,750	0,008	0,030	0,805	0,056	0,834
0,800	0,008	0,030	0,855	0,056	0,884
0,850	0,009	0,032	0,909	0,060	0,939