

Round and rectangular copper wire with fiberglass or glass polyester isolation

Class 155, 200

Product name:

- PSDT
- PSDT-L
- PSLDT
- PSD-L
- PSDKT
- PSLDKT
- PSDK
- PSDK-L
- PSLD
- PSLDK
- PSDKT-L
- PSD
- PSLD-1

Properties:

- Excellent dielectric strength
- Excellent resistance to mechanical influences
- Very good adhesion to the conductor

Size series:

Round: 1,7 - 10,0 mm

Rectangular: 5 - 80 mm²

$$1,4 \leq (b/a) < 8$$

Class: 155, 200

Temperature index: 155°C, 200°C

Thermal shock: 220°C

Breakdown voltage:

Round: 300 - 550 V

Rectangular: 350 - 600 V

Electrical resistance:

0,01724 Om*mm²/m

Relative elongation:

from 4 - 34% and more

Chemical resistance:

Excellent

Sphere application:

- Generators
- Electric motors
- Electrical devices
- Transformers

Conductor material:

ДСТУ EN 1977 Cu - ETP CW004A

ДСТУ EN 1977 Cu - ETP1 CW003A

ДСТУ EN 1977 Cu - OF CW008A

Isolation:

- Fiberglass with bonding and impregnation heating or organosilicon varnish.
It can be with a surface varnish layer.
- Glass polyester with bonding and impregnation heating or organosilicon varnish.
It can be with without applying varnish.

Packaging:

- Coils
- Drums

Specification:

TU U 31.3-13970259-005:2011

IEC 60317-33 IEC 60317-50

IEC 60317-62 IEC 60317-72

IEC 60317-60

Production is certified:

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

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

ISO 9001:2015

Wire cross section

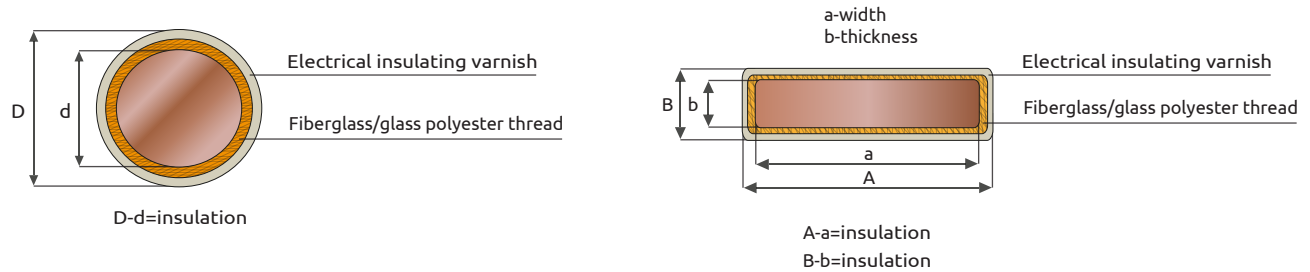


Table of dimensional characteristics

Temperature index 155, 200				
Round and rectangular copper wires with fiberglass and glass polyester insulation				
Brands wires	Temperature class	Type of insulation	Size range	
			Round, mm	Rectangular, mm ²
PSDT	155°C	Thinned. Fiberglass threads, superimposed by two layers, with gluing and impregnation with heat-resistant varnish	1,7-10,0	5,0-80,0
PSDT-L		Thinned. Fiberglass threads, superimposed in two layers, with gluing and impregnation with heat-resistant varnish, with a surface varnish layer		
PSLDT		Thinned. Fiberglass threads, superimposed in two layers, with gluing and impregnation with heat-resistant varnish		
PSD-L		Fiberglass threads, superimposed in two layers, with gluing and impregnation with heat-resistant varnish, with a surface varnish layer		
PSD		Fiberglass threads, superimposed in two layers, with gluing and impregnation with heat-resistant varnish		
PSLD-1		Fiberglass threads, superimposed in two layers, without applying varnish		
PSDK-L	200°C	Fiberglass threads, superimposed in two layers, with gluing and impregnation with organosilicon varnish, with a surface varnish layer	1,7-10,0	5,0-80,0
PSLD		Fiberglass threads, superimposed in two layers, with gluing and impregnation with heat-resistant varnish		
PSLDK		Fiberglass threads, superimposed in two layers, with gluing and impregnation with organosilicon varnish		
PSDKT		Thinned. Fiberglass threads, superimposed in two layers, with gluing and impregnation with organosilicon varnish		
PSDKT-L		Thinned. Fiberglass threads, superimposed in two layers, with gluing and impregnation with organosilicon varnish, with a surface varnish layer		
PSDKT		Thinned. Fiberglass threads, superimposed in two layers, with gluing and impregnation with organosilicon varnish		
PSDK		Fiberglass threads, superimposed in two layers, with gluing and impregnation with organosilicon varnish		