



Polyimides are generally non-melting and chemically very resistant, even to many solvents. Polyimides are used in electrical engineering/electronics due to their heat resistance, low outgassing, radiation resistance and insulating properties in the form of light brown, semi-transparent films. High continuous operating temperatures of up to 230 °C and short-term temperatures of up to 400 °C are possible.

Polyimide-(Kapton®) wires & strands, silver-plated copper, 250 V

Properties

Insulation:	3 layers of polyimide film (Kapton®) 25 µm, with adhesive 40 µm flame-retardant, low smoke emission
Conductor:	silver-plated copper (SPC), silver-plated copper alloy (SPCA)
Operating voltage:	250 VAC
Test voltage:	3000 VAC
Temperature range:	-65 to +200 °C
Colors:	natural color or color black, brown, red, orange, yellow, green, blue, violet, grey, white, pink by 'painting' or Teflon-based spiral paint. The color can fade at high temperatures and may also cause the cores to stick together (in the case of full coloring/lacquering).

Dimensions:

	Size	Conductor				Insulated wire			
Item number	AWG	Cross cut	Structure	Wire Ø	DC current resistance at 20°C	Outer Ø	Tolerance	Weight	Current strength at 40°C
		[mm ²]		[mm]	[W / km]	[mm]	[mm]	[kg/km]	[A]
SLPT3207SA	32	0,035	7 x 0,08	0,24	670	0,50	± 0,05	0,50	3
SDPT3001SA	30	0,049	1 x 0,25	0,25	417	0,51	± 0,05	0,75	5
SLPT3007SA	30	0,057	7 x 0,10	0,30	385	0,56	± 0,05	0,75	5
SDPT2801SA	28	0,080	1 x 0,32	0,32	263	0,58	± 0,05	1,1	7
SLPT2807SA	28	0,089	7 x 0,13	0,38	244	0,64	± 0,05	1,1	8
SDPT2601S	26	0,126	1 x 0,40	0,40	137	0,66	± 0,05	1,8	10
SLPT2619S	26	0,155	19 x 0,10	0,48	122	0,77	± 0,05	1,8	11
SDPT2401S	24	0,204	1 x 0,51	0,51	86,0	0,77	± 0,05	2,7	12
SLPT2419S	24	0,241	19 x 0,13	0,60	77,4	0,86	± 0,05	2,7	13
SDPT2201S	22	0,322	1 x 0,64	0,64	54,1	0,90	± 0,05	4,1	16
SLPT2219S	22	0,382	19 x 0,16	0,76	48,5	1,06	± 0,05	4,1	17
SDPT2001S	20	0,515	1 x 0,81	0,81	33,8	1,07	± 0,05	6,3	20
SLPT2019S	20	0,597	19 x 0,20	0,97	29,9	1,27	± 0,07	6,3	22
SLPT1819S	18	0,963	19 x 0,25	1,21	19,0	1,53	± 0,07	9,4	29
SLPT1619S	16	1,229	19 x 0,29	1,36	14,8	1,69	± 0,07	11,6	35

These figures are approximate and may change at any time.

Item number:

= Master number - Conductor - Color

Conductor

S = silver-plated copper SA = silver-plated copper alloy

Color

ff = natural colors (NT), red (RT), blue (BL), black (SW), white (WS), green (GN), brown (BR), violet (VI), orange (OR), yellow (GE), grey (GR), pink (RS),

Example:

SLPT3207SA

SLPT3207 = master number

SA = silver-plated copper alloy

SW = black

Kapton® wires & strands, Cu silver-plated, 600 V

Properties

Insulation:	4 layers of polyimide film (Kapton®) 25 µm, with adhesive 40 µm, Flame-retardant, low smoke development
Conductor:	silver-plated copper (SPC), Silver-plated copper alloy (SPCA)
Operating voltage:	600 VAC
Test voltage:	3000 VAC
Temperature range:	-65 to +200 °C
Colors:	natural color or color black, brown, red, orange, yellow, green, blue, violet, grey, white, pink by 'painting' or Teflon-based spiral paint. The color can fade at high temperatures and may also cause the cores to stick together (in the case of full coloring/lacquering).

Correction factor of the current load depending on the ambient temperature:								
°C	20	40	60	100	120	140	160	180
Factor	1,08	1,0	0,92	0,84	0,75	0,65	0,42	0,28

Dimensions:

	Size	Conductor				Insulated wire			
Master number	AWG	Cross cut	Structure	Wire Ø	DC resistance at 20°C	Outer Ø	Tolerance	Weight	Current strength at 40°C
		[mm ²]		[mm]	[W / km]	[mm]	[mm]	[kg/km]	[A]
SLP3207SA	32	0,035	7 x 0,08	0,24	670	0,57	± 0,05	0,60	3
SDP3001SA	30	0,049	1 x 0,25	0,25	417	0,58	± 0,05	0,80	5
SLP3007SA	30	0,057	7 x 0,10	0,30	385	0,63	± 0,05	0,90	5
SDP2801SA	28	0,080	1 x 0,32	0,32	263	0,65	± 0,05	1,2	7
SLP2807SA	28	0,089	7 x 0,13	0,38	244	0,71	± 0,05	1,3	8
SDP2601S	26	0,126	1 x 0,40	0,40	137	0,73	± 0,05	1,9	10
SLP2619SA	26	0,155	19 x 0,10	0,48	146	0,81	± 0,05	1,9	11
SLP2619S	26	0,155	19 x 0,10	0,48	122	0,81	± 0,05	1,9	11
SDP2401S	24	0,204	1 x 0,51	0,51	86,0	0,81	± 0,05	2,8	12
SLP2419SA	24	0,241	19 x 0,13	0,60	93,1	0,93	± 0,05	2,8	13
SLP2419S	24	0,241	19 x 0,13	0,60	93,1	0,93	± 0,05	2,8	13

	Size	Conductor				Insulated wire			
Master number	AWG	Cross cut	Structure	Wire Ø	DC resistance at 20°C	Outer Ø	Tolerance	Weight	Current strength at 40°C
		[mm ²]		[mm]	[W / km]	[mm]	[mm]	[kg/km]	[A]
SDP2201S	22	0,322	1 x 0,64	0,64	54,1	0,94	± 0,05	4,2	16
SLP2219S	22	0,382	19 x 0,16	0,76	48,5	1,10	± 0,05	4,2	17
SDP2001S	20	0,515	1 x 0,81	0,81	33,8	1,11	± 0,05	6,5	20
SLP2019S	20	0,597	19 x 0,20	0,97	29,9	1,31	± 0,07	6,5	22
SLP1819S	18	0,963	19 x 0,25	1,21	19,0	1,57	± 0,07	9,9	29
SLP1619S	16	1,229	19 x 0,29	1,36	14,8	1,73	± 0,07	13,0	35
SLP1419S	14	1,870	19 x 0,36	1,70	9,42	2,19	± 0,10	20,0	53
SLP1237S	12	2,976	37 x 0,32	2,24	6,20	2,63	± 0,10	29,0	66
SLP1037S	10	4,650	37 x 0,40	2,82	3,90	3,21	± 0,15	45,0	82

These figures are approximate and may change at any time.

Item number:

= Master number - Conductor - Color

Conductor

S = silver-plated copper

SA = silver-plated copper alloy

Color

ff = natural colors (NT), red (RT), blue (BL), black (SW), white (WS), green (GN), brown (BR), violet (VI), orange (OR), yellow (GE), grey (GR), pink (RS),

Example:

SLP3207SA

SLP3207 = master number

SA = silver-plated copper alloy

SW = black

Kapton® wires & strands, Cu silver-plated, 1000 V

Insulation:	6 layers of polyimide film (Kapton®) 25 µm, with adhesive 40 µm flame-retardant, low smoke emission
Conductor:	silver-plated copper (SPC) silver-plated copper alloy (SPCA)
Operating voltage:	1000 VAC
Test voltage:	3000 VAC
Temperature range:	-65 to +200 °C
Colors:	natural color or color black, brown, red, orange, yellow, green, blue, violet, grey, white, pink by 'painting' or Teflon-based spiral paint. The color can fade at high temperatures and may also cause the cores to stick together (with full coloring / painting)

Correction factor of the current load as a function of the ambient temperature:								
°C	20	40	60	100	120	140	160	180
Factor	1,08	1,0	0,92	0,84	0,75	0,65	0,42	0,28

Dimensions:

	Size	Conductor				Insulated wire			
Master number	AWG	Cross cut	Structure	Wire Ø	DC resistance at 20°C	Outer Ø	Tolerance	Weight	Current strength at 40°C
		[mm ²]		[mm]	[W / km]	[mm]	[mm]	[kg/km]	[A]
SDPP2601S	26	0,126	1 x 0,40	0,40	137	0,84	± 0,05	2,2	10
SLPP2619SA	26	0,155	19 x 0,10	0,48	146	0,95	± 0,05	2,2	11
SDPP2401S	24	0,204	1 x 0,51	0,51	86,0	0,95	± 0,05	3,1	12
SLPP2419SA	24	0,241	19 x 0,13	0,60	93,1	1,07	± 0,05	3,1	13
SDPP2201S	22	0,322	1 x 0,64	0,64	54,1	1,08	± 0,05	4,6	16
SLPP2219S	22	0,382	19 x 0,16	0,76	48,5	1,24	± 0,07	4,6	17
SDPP2001S	20	0,515	1 x 0,81	0,81	33,8	1,25	± 0,07	6,9	20
SLPP2019S	20	0,597	19 x 0,20	0,97	29,9	1,45	± 0,07	6,9	22
SLPP1819S	18	0,963	19 x 0,25	1,21	19,0	1,71	± 0,07	11	29
SLPP1619S	16	1,229	19 x 0,29	1,36	14,8	1,87	± 0,07	13	35
SLPP1419S	14	1,870	19 x 0,36	1,70	9,42	2,36	± 0,10	21	53
SLPP1237S	12	2,976	37 x 0,32	2,24	6,20	2,80	± 0,10	32	66
SLPP1037S	10	4,650	37 x 0,40	2,82	3,90	3,38	± 0,15	49	82

These figures are approximate and may change at any time.

Item number:

= Master number - Conductor - Color

Conductor

S = silver-plated copper

SA = silver-plated copper alloy

Color

ff = natural colors (NT), red (RT), blue (BL), black (SW), white (WS), green (GN), brown (BR), violet (VI), orange (OR), yellow (GE), grey (GR), pink (RS),

Example:

SDPP2601SW

SDPP2601 = master number

SA = silver-plated copper alloy

SW = black

Kapton® / FEP insulated wires and strands according to style UL5466**Style**

UL5466, including AVLV8 Canadian Territories Approval

Application:

UL-approved high-temperature device wiring

Technical data

Item number	Conductor							
	AWG	Structure n x AWG	Diameter [mm²]	Diameter			Restistance [Ω/km]	Weigth [kg/km]
				nominal	min.	max.		
SLPKUL5466/2607	26	7 x 0,16	0,14	0,48	0,70	0,85	128	1,75
SLPKUL5466/2407	24	7 x 0,203	0,23	0,60	0,85	1,00	81,0	2,70
SLPKUL5466/2207	22	7 x 0,254	0,35	0,76	1,00	1,20	59,4	3,93
SLPKUL5466/2219	22	19 x 0,16	0,38	0,80	1,00	1,20	51,6	4,20
SLPKUL5466/2007	20	7 x 0,32	0,56	0,96	1,18	1,32	32,81	6,04
SLPKUL5466/2019	20	19 x 0,203	0,61	1,00	1,20	1,40	31,4	6,5