

Solid and Stranded Wires with Kapton Insulation

Solid and Stranded Wires, Silver Plated Copper, 250 V

(No stock item)



Insulation:	3 layers of polyimide film (Kapton®) 25 µm, with coating 40 µm flame retardant, low smoke generation
Conductor:	silver plated copper (SPC) silver plated copper alloy (SPCA)
Operating Voltage:	250 VAC
Test Voltage:	2500 VAC
Temperature Range:	-65 to +200 °C
Colours:	natural-coloured or black, brown, red, orange, yellow, green, blue violet, grey, white, pink by 'varnishing' or applying colour spirals on Teflon base. At high temperatures the colour can pale and cause sticking of each wire with another (at full colouration / varnishing).

Correction factor of current load dependent on 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:

Main Number	Size	Conductor				With Insulation			
	AWG	Cross-section	Stranding	Wire Diameter	Resistance at 20°C	Outer Diameter	Tolerance	Weight	Current at 40°C
		[mm ²]	n x [mm]	[mm]	[Ω/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 indications are typical values and can change at any time.

Item Number:	main number conductor colour
	Conductor: S = silver plated copper SA = silver plated copper alloy
	Colour: ff = natural-coloured (NT), red (RT), blue (BL), black (SW), white (WS), green (GN), brown (BR), violet (VI), orange (OR), yellow (GE), grey (GR), pink (RS)
	Example: SLPT3207SASW SLPT3207 = main number SA = silver plated copper alloy SW = black

Solid and Stranded Kapton Wires, Silver Plated Copper, 600 V

(No stock item)



Insulation:	4 layers of polyimide film (Kapton®) 25 µm, with coating 40 µm flame retardant, low smoke generation
Conductor:	silver plated copper (SPC) silver plated copper alloy (SPCA)
Operating Voltage:	600 VAC
Test Voltage:	3000 VAC
Temperature Range:	-65 to +200 °C
Colours:	natural-coloured or black, brown, red, orange, yellow, green, blue, violet, grey, white, pink by 'varnishing' or applying colour spirals on Teflon base. At high temperatures the colour can pale and cause sticking of each wire with another (at full colouration / varnishing).

Correction factor of current load dependent on 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:

Main number	Size	Conductor				Isolated Wire			
	AWG	Cross-section	Stranding	Wire Diameter	Resistance at 20°C	Outer Diameter	Tolerance	Weight	Current at 40°C
		[mm²]	n x [mm]	[mm]	[Ω/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
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 indications are typical values and can change at any time.

Item Number:	main number conductor colour
	Conductor: S = silver plated copper SA = silver plated copper alloy
	Colour: ff = natural-coloured (NT), red (RT), blue (BL), black (SW), white (WS), green (GN), brown (BR), violet (VI), orange (OR), yellow (GE), grey (GR), pink (RS)
	Example: SLP3207SASW SLP3207 = main number SA = silver plated copper alloy SW = black

Solid and Stranded Kapton Wires, Silver Plated Copper, 1000 V

(No stock item)



Insulation:	6 layers of polyimide film (Kapton®) 25 µm, with coating 40 µm flame retardant, low smoke generation
Conductor:	silver plated copper (SPC) silver plated copper alloy (SPCA)
Operating Voltage:	1000 VAC
Test Voltage:	2500 VAC
Temperature Range:	-65 to +200 °C
Colours:	natural-coloured or black, brown, red, orange, yellow, green, blue, violet, grey, white, pink by 'varnishing' or applying colour spirals on Teflon base. At high temperatures the colour can pale and cause the sticking of each wire with another (at full colouration / varnishing).

Correction factor of current load dependent on 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:

Main Number	Size	Conductor				Isolated Wire			
	AWG	Cross-section [mm ²]	Stranding n x [mm]	Wire Diameter [mm]	Resistance at 20°C [Ω / km]	Outer Diameter [mm]	Tolerance [mm]	Weight [kg/km]	Current at 40°C [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

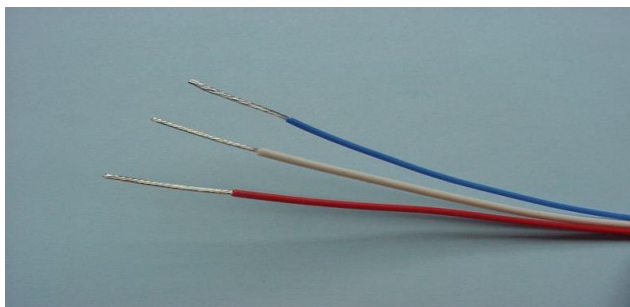
These indications are typical values and can change at any time.

Item Number:	main number conductor colour
	Conductor: S = silver plated copper SA = silver plated copper alloy
	Colour: ff = natural-coloured (NT), red (RT), blue (BL), black (SW), white (WS), green (GN), brown (BR), violet (VI), orange (OR), yellow (GE), grey (GR), pink (RS)
	Example: SDPP2601SSW SDPP2601= main number S = silver plated copper SW = black

Kapton® / FEP Insulated Solid or Stranded wires according to Style UL5466

(No stock item)

Style UL5466, including AVL V8 Canadian Territories Approval



Application:	UL approved High Temperature, Internal Appliance Wiring Material
Conductor:	Solid or stranded silver plated copper wire (SPC) AWG 26 to AWG 20
Construction Insulation:	Inner layer polyimide tape nominal 52% overlap Outer layer polyimide tape nominal 52% overlap FEP Coating
Temperature Rating:	200°C Max.
Voltage Rating:	1000V (rms)
Test Voltage:	10 kV (rms)

Technical Data:

Main Number	Conductor			Diameter		Resistance	Weight	
	AWG	Strands n x AWG	Area [mm ²]	Diameter	min.	max.	nom. [Ω/km]	nom. [kg/km]
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

Item Number: = main number colour
 colour ff = natural-coloured (NT), red (RT), blue (BL), black (SW), white (WS),
 green (GN), brown (BR), violet (VI), orange (OR), yellow (GE),
 grey (GR), pink (RS)

Example: SLPKUL5466/2607SW
 SLPKUL5466/2607 = main number
 SW = black