

SKL-PP/PUR UL



Application

Cables in this series are highly flexible, making them suitable for installation in drag chains with excellent dynamic performance. Which results in long service life and cost-effectiveness. This is achieved through specialized construction techniques and the selection of suitable thermoplastic compounds, ensuring both electrical and mechanical suitability. These cables offer exceptional resistance to oils, chemicals, water, abrasion, and tearing. They are ideal for connecting control units, power systems, and instrumentation in machine tools, assembly lines, and other applications in dry, damp, and wet locations as well as outdoors.

The materials used are free from silicon and cadmium and free from varnish damaging substances.

Standards

UL-Style 21209 – 90°C / 1000 V
Halogenfree: IEC 60754-1 und IEC 60754-2
Oil resistant: OIL 80°C UL758 table 15.1, EN50363-10-2
DIN EN 60811-404

CE = The product is conformed with the EC Low-Voltage Directive 2014/35/EU.

Construction

Inner Conductor	copper, bare Class 6
Core Insulation	polypropylene (PP)
Core Color	≥ 0.50 mm2: black with white numbering and a yellow/green earth conductor (for 3 or more conductors)
Stranding Elements	Polyester tape on each layer
Outer Insulation Material	polyurethane (PUR)
Constant Against	oil resistant, UV resistant

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Technical Data

Nominal Voltage	U ₀ /U: 600 /1000 V
Nominal Volatage DC	U ₀ /U: 0 /0
Test Voltage	3000 V
Bending Radius moved (xD)	5
Bending Radius fixed (xD)	4
Operating Temperature solid	-40 °C bis 90 °C
Operating Temperature moving	-30 °C bis 90 °C

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Test Voltage	3000 V
Bending Radius moved (xD)	5
Bending Radius fixed (xD)	4
Operating Temperature solid	-40 °C to 90 °C
Operating Temperature moving	-30 °C to 90 °C

Prod. Nr. Prod. Nr.	Dimensions Dimensions	Color Color	Weight (kg/km) Weight (kg/km)	Outer-Diameter (mm) Outer-Diameter (mm)
01199007	2 x 0,5	grey - grey	32.0	5.6
01199015	2 x 0,75	grey - grey	40.0	6.2
01199023	2 x 1	grey - grey	48.0	6.6
01199027	2 x 1,5	grey - grey	60.0	7.2
01199030	2 x 2,5	grey - grey	90.0	8.8
01199006	3 x 0,25	grey - grey	23.0	4.5
01199008	3 x 0,5	grey - grey	39.0	5.8
01199016	3 x 0,75	grey - grey	50.0	6.5
01101088	3 x 1	grey - grey	60.0	6.9
01199002	3 x 1,5	grey - grey	84.0	7.3
01199031	3 x 2,5	grey - grey	121.0	9.3
01199038	3 x 4	grey - grey	174.0	10.5
01199042	3 x 6	grey - grey	250.0	12.5
01199009	4 x 0,5	grey - grey	46.0	6.2
01199017	4 x 0,75	grey - grey	60.0	6.9
01199024	4 x 1	grey - grey	73.0	7.4
01199003	4 x 1,5	grey - grey	104.0	7.9
01199032	4 x 2,5	grey - grey	156.0	10.3
01199039	4 x 4	grey - grey	223.0	11.5
01199043	4 x 6	grey - grey	324.0	13.8
01199046	4 x 10	grey - grey	522.0	17.4
01199050	4 x 16	grey - grey	777.0	20.0
01101053	4 x 25	grey - grey	1,217.0	25.2
01199010	5 x 0,5	grey - grey	53.0	6.6

Prod. Nr. Prod. Nr.	Dimensions Dimensions	Color Color	Weight (kg/km) Weight (kg/km)	Outer-Diameter (mm) Outer-Diameter (mm)
01199018	5 x 0,75	grey - grey	72.0	7.5
01101023	5 x 1	grey - grey	87.0	8.0
01158116	5 x 1,5	grey - grey	126.0	8.6
01199033	5 x 2,5	grey - grey	188.0	11.2
01199040	5 x 4	grey - grey	269.0	12.5
01199044	5 x 6	grey - grey	395.0	15.1
01199047	5 x 10	grey - grey	647.0	19.3
01199049	5 x 16	grey - grey	955.0	22.0
01199011	7 x 0,5	grey - grey	70.0	7.6
01199019	7 x 0,75	grey - grey	95.0	8.6
01173039	7 x 1	grey - grey	115.0	9.2
01199005	7 x 1,5	grey - grey	174.0	10.3
01158131	7 x 2,5	grey - grey	258.0	13.3
01199041	7 x 4	grey - grey	372.0	14.9
01199045	7 x 6	grey - grey	549.0	18.1
01199048	7 x 10	grey - grey	894.0	23.1
01199012	12 x 0,5	grey - grey	105.0	9.0
01199020	12 x 0,75	grey - grey	148.0	10.4
01173038	12 x 1	grey - grey	183.0	11.2
01173040	12 x 1,5	grey - grey	253.0	12.5
01199035	12 x 2,5	grey - grey	417.0	16.2
01199013	18 x 0,5	grey - grey	149.0	10.4
01199021	18 x 0,75	grey - grey	206.0	11.9
01173034	18 x 1	grey - grey	262.0	13.1

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01173035	18 x 1,5	grey - grey	366.0	14.6
01199036	18 x 2,5	grey - grey	604.0	19.0
01199014	25 x 0,5	grey - grey	198.0	12.3
01199022	25 x 0,75	grey - grey	284.0	14.4
01199025	25 x 1	grey - grey	354.0	15.6
01199028	25 x 1,5	grey - grey	502.0	17.6
01199037	25 x 2,5	grey - grey	833.0	23.0
01101048	34 x 0,5	grey - grey	312.0	14.3
01101007	36 x 0,5	grey - grey	274.0	13.9
01199026	36 x 1	grey - grey	493.0	17.6
01199029	36 x 1,5	grey - grey	704.0	19.8
01101082	36 x 2,5	grey - grey	1,165.0	25.8