

# SKL-PP/C/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.

## Standards

UL-Style 21209 – 90°C / 1000 V  
Halogenfree: IEC 60754-1 und IEC 60754-2  
Oil resistance: 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

|                                  |                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------|
| <b>Inner Conductor</b>           | copper bare, IEC 20668 - Class 6                                                       |
| <b>Core Insulation</b>           | polypropylene (PP)                                                                     |
| <b>Core</b>                      | ≥ 0.50 mm <sup>2</sup> : black with white numbering and a                              |
| <b>Color</b>                     | yellow/green earth conductor (for 3 or more conductors)                                |
| <b>Stranding Elements</b>        | Polyester tape on each layer                                                           |
| <b>Overall Shielding</b>         | Multi-threaded tinned copper with coverage of approx. 85%.<br>Polyester tape separator |
| <b>Outer Insulation Material</b> | polyurethane (PUR)                                                                     |
| <b>Constant Against</b>          | oil resistance, UV resistance                                                          |

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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)    | 6                     |
| 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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| Operating Temperature solid  | -40 °C to 90 °C       |
| Operating Temperature moving | -30 °C to 90 °C       |

| Prod. Nr.<br>Prod. Nr. | Dimensions<br>Dimensions | Color<br>Color | Weight (kg/km)<br>Weight (kg/km) | Outer-Diameter (mm)<br>Outer-Diameter (mm) |
|------------------------|--------------------------|----------------|----------------------------------|--------------------------------------------|
| 01188001               | 2 x 0,5                  | grey - grey    | 47.1                             | 6.1                                        |
| 01188010               | 2 x 0,75                 | grey - grey    | 58.6                             | 6.7                                        |
| 01188021               | 2 x 1                    | grey - grey    | 67.3                             | 7.1                                        |
| 01188030               | 2 x 1,5                  | grey - grey    | 84.7                             | 7.8                                        |
| 01188002               | 3 x 0,5                  | grey - grey    | 55.4                             | 6.3                                        |
| 01188011               | 3 x 0,75                 | grey - grey    | 69.1                             | 7.0                                        |
| 01188022               | 3 x 1                    | grey - grey    | 81.1                             | 7.4                                        |
| 01188031               | 3 x 1,5                  | grey - grey    | 103.7                            | 8.1                                        |
| 01188040               | 3 x 2,5                  | grey - grey    | 156.6                            | 9.7                                        |
| 01188003               | 4 x 0,5                  | grey - grey    | 65.0                             | 6.7                                        |
| 01188012               | 4 x 0,75                 | grey - grey    | 81.9                             | 7.4                                        |
| 01188023               | 4 x 1                    | grey - grey    | 96.9                             | 8.1                                        |
| 01188032               | 4 x 1,5                  | grey - grey    | 125.7                            | 8.8                                        |
| 01188041               | 4 x 2,5                  | grey - grey    | 191.8                            | 10.9                                       |
| 01188004               | 5 x 0,5                  | grey - grey    | 76.3                             | 7.1                                        |
| 01188013               | 5 x 0,75                 | grey - grey    | 95.4                             | 8.1                                        |
| 01188024               | 5 x 1                    | grey - grey    | 114.6                            | 8.6                                        |
| 01188033               | 5 x 1,5                  | grey - grey    | 162.0                            | 9.6                                        |
| 01188042               | 5 x 2,5                  | grey - grey    | 230.6                            | 11.8                                       |
| 01188005               | 7 x 0,5                  | grey - grey    | 93.8                             | 8.2                                        |
| 01188014               | 7 x 0,75                 | grey - grey    | 123.1                            | 9.2                                        |
| 01188025               | 7 x 1                    | grey - grey    | 161.8                            | 9.9                                        |
| 01188034               | 7 x 1,5                  | grey - grey    | 214.4                            | 11.2                                       |
| 01188043               | 7 x 2,5                  | grey - grey    | 305.9                            | 14.0                                       |

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|------------------------|--------------------------|----------------|----------------------------------|--------------------------------------------|
| 01188006               | 12 x 0,5                 | grey - grey    | 149.3                            | 9.6                                        |
| 01188015               | 12 x 0,75                | grey - grey    | 200.3                            | 11.0                                       |
| 01188026               | 12 x 1                   | grey - grey    | 242.1                            | 12.0                                       |
| 01188035               | 12 x 1,5                 | grey - grey    | 322.4                            | 13.2                                       |
| 01188044               | 12 x 2,5                 | grey - grey    | 474.9                            | 17.0                                       |
| 01188007               | 18 x 0,5                 | grey - grey    | 203.2                            | 11.1                                       |
| 01188017               | 18 x 0,75                | grey - grey    | 272.5                            | 12.6                                       |
| 01188027               | 18 x 1                   | grey - grey    | 335.5                            | 13.9                                       |
| 01188036               | 18 x 1,5                 | grey - grey    | 452.4                            | 15.5                                       |
| 01188045               | 18 x 2,5                 | grey - grey    | 672.6                            | 20.0                                       |
| 01188008               | 25 x 0,5                 | grey - grey    | 262.0                            | 13.0                                       |
| 01188018               | 25 x 0,75                | grey - grey    | 360.2                            | 15.2                                       |
| 01188028               | 25 x 1                   | grey - grey    | 439.7                            | 16.4                                       |
| 01188037               | 25 x 1,5                 | grey - grey    | 606.7                            | 18.4                                       |
| 01188046               | 25 x 2,5                 | grey - grey    | 640.6                            | 23.9                                       |
| 01188009               | 36 x 0,5                 | grey - grey    | 350.0                            | 14.6                                       |
| 01188019               | 36 x 0,75                | grey - grey    | 479.7                            | 16.8                                       |
| 01188029               | 36 x 1                   | grey - grey    | 596.9                            | 18.3                                       |
| 01188038               | 36 x 1,5                 | grey - grey    | 861.4                            | 20.7                                       |