

9. Cables for Pressure Sensors

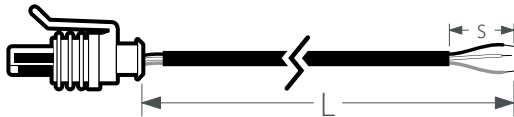
9.1 Cable SPKC Series

The SPKC series pressure sensor cables are flexible and feature a PVC insulating sheath with wide temperature range (from -20°C up to 105°C). These are ideal for use as static internal wiring in electronic equipment. The cables are available in various lengths, in versions with IP55 - IP67 - IP69K Packard connectors. They are used for connecting the entire Carel SPKT* series pressure sensors (ratiometric and 4-20 mA). It is available series, which provides the JST XHP 2 and 3-wires connector for quick connection (it is agree with compatible connection).

Characteristics for all cables

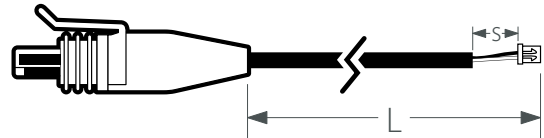
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|------------------------------|--------------------------------------|
| Nominal voltage (V) | 300Vac |
| Wire size (mm ²) | 3x 0.324mm ² - AGW22/19 |
| Operating temperature | -20°C to 105°C |
| Wire resistance | ≤ 59.4 Ω/Km |
| Insulation cable | PVC Class 43. Hardness (91 ± 2) Sh-A |
| Sheath colour | RAL7035 |
| Wire colours | White - Black - Green |
| Average sheath thickness | ≥0.76 mm - ≥30 mils |
| Radius of curvature | ≥12 x D |
| Cable outside diameter | 5.1 mm |
| Flame resistance | VW1 - FT-1 |
| Compliant with standards | UL758 & UL1581 |

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|-----------------------|-----------------------------|
| Pins | 3x 0.35-0.50mm ² |
| Material | Nylon |
| Model | Female with seal gasket |
| Maximum current | 14 A |
| Operating temperature | -40°C to 105°C |
| Colour | Black |



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|-----------------------|-------------------------|
| Packard IP protection | IP55 |
| Terminations | Tin finishing terminals |

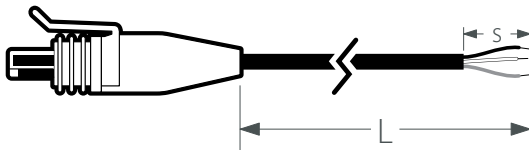
| P/N | Length (ref. L) | | s (mm) | Min. orderable quantity |
|------------|-----------------|-------|--------|-------------------------|
| | m | inch | | |
| SPKC002300 | 2 | 78,7 | 50 | 1 pcs |
| SPKC005300 | 5 | 196,8 | 50 | 1 pcs |
| SPKC00A300 | 12 | 472,4 | 50 | 1 pcs |



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|-----------------------|----------------|
| Packard IP protection | IP67 (EN60529) |
| Terminations | 2-ways JST |

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| Molding material | Thermoplastic Polyamide |
| Colour | Black |

| | |
|-----------------------|---------------|
| Housing P/N | XHP-2 |
| Pins | 2 pins |
| Pin-to-Pin Pitch | 2,5mm |
| Electric contact P/N | SXH-001T-P0.6 |
| Operating temperature | -25°C to 85°C |



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|-----------------------|-------------------------|
| Packard IP protection | IP67 (EN60529) |
| Terminations | Tin finishing terminals |

| | |
|------------------|-------------------------|
| Molding material | Thermoplastic Polyamide |
| Colour | Black |

| P/N | Length (ref. L) | | s (mm) | Min. orderable quantity |
|------------|-----------------|-------|--------|-------------------------|
| | m | inch | | |
| SPKC00D311 | 0,65 | 25,5 | 70 | 50 pcs |
| SPKC00E311 | 0,83 | 32,6 | 70 | 50 pcs |
| SPKC00B311 | 1 | 39,3 | 150 | 50 pcs |
| SPKC00C311 | 1,3 | 51,1 | 150 | 50 pcs |
| SPKC002310 | 2 | 78,7 | 50 | 1 pcs |
| SPKC002311 | 2 | 78,7 | 50 | 100 pcs |
| SPKC00M311 | 3 | 118 | 50 | 10 pcs |
| SPKC00F310 | 4 | 157,4 | 50 | 1 pcs |
| SPKC005310 | 5 | 196,8 | 50 | 1 pcs |
| SPKC005311 | 5 | 196,8 | 50 | 50 pcs |
| SPKC00G310 | 6,6 | 259,8 | 50 | 1 pcs |
| SPKC00A310 | 12 | 472,4 | 50 | 1 pcs |

| P/N | Length (ref. L) | | s (mm) | Min. orderable quantity |
|------------|-----------------|-------|--------|-------------------------|
| | m | inch | | |
| SPKC002410 | 2 | 78,7 | 50 | 1 pcs |
| SPKC005410 | 5 | 196,8 | 50 | 1 pcs |