



Description: Extension- and compensating cables, paired KN 91 L_

Lapp code: Lapp 0162040

The **Test voltage** of the cable Lapp 0162040 is /.

Application range

- The thermocouple is used to measure temperature as a part of monitoring the manufacturing process, thus the sheath material should be selected with reference to the maximum ambient temperature at its junction.
- Conductor materials (alloys):
Fe/CuNi (LX, JX)
Conductor alloys are identical to thermocouple alloys
- NiCr/Ni (KCA, KX)
KCA version: compensating alloys, not identical to thermocouple alloys
KX version - conductor alloys are identical to thermocouple alloys
- PtRh/Pt (RCB, SCB)
Compensating alloys are not identical to thermocouple alloys

Product Make-up

- Design abbreviations:
PVC: Polyvinylchloride
SIL: Silicone rubber
GL: Glass fibre
C: Copper braiding screen
ST: Aluminium foil screen
S: Steel wire braiding
- Design, for example PVC-PVC-S-PVC:
 - PVC core insulation
 - PVC inner sheath
 - Steel wire braiding
 - PVC outer sheath
- Examples shown (top to bottom):
Fe/CuNi DIN 2 x 1.5 PVC
NiCr/Ni IEC 2 x 1.5 GL-GL
PtRh/Pt IEC 2 x 1.5 GL-GL-S
NiCr/Ni DIN 2 x 1.5 SIL-GL
NiCr/Ni DIN 2 x 1.5 PVC-PVC
PtRh/Pt DIN 2 x 1.5 SIL-SIL
Fe/CuNi IEC 2 x 1.5 SIL-SIL-S
NiCr/Ni IEC 2 x 1.5 SIL

Extension- and compensating cables, paired KN 91 L_

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PtRh/Pt IEC 2 x 1.5 SIL-GL-S
Fe/CuNi IEC 2 x 0.22 PVC-PVC-C-PVC
NiCr/Ni IEC 2 x 1.5 PVC-ST-PVC
Fe/CuNi DIN 2 x 1.5 PVC-PVC-S-PVC

In our Cable list on next page you can find all interesting information acc. article Lapp 0162040 and much more.

CABLE LIST - all informations you need you can find here

| Product Name | Lapp Nr. | Reference/article designation | Thermocouple | Product Make-up | Cable design | Number of cores and mm ² per conductor | Outer diameter (mm) | Outer dimensions/width x height (mm) | Weight (kg/km) |
|----------------------------------------------------------|--------------|-------------------------------|--------------|-----------------|---------------|---------------------------------------------------|---------------------|--------------------------------------|----------------|
| 0.22 mm ² extension and compensating cables | | | | | | | | | |
| Extension- and compensating cables, paired KE 9-022 L | Lapp 0151051 | KE 9-022 L | Fe/CuNi | DIN LX | PVC-PVC | 2 x 0,22 | 4.0 | | 22 |
| Extension- and compensating cables, paired KE 9-022 L | Lapp 0161051 | KE 9-022 L | Fe/CuNi | IEC JX | PVC-PVC | 2 x 0,22 | 4.0 | | 22 |
| Extension- and compensating cables, paired KN 9-022 L | Lapp 0152051 | KN 9-022 L | NiCr/Ni | DIN KCA | PVC-PVC | 2 x 0,22 | 4.0 | | 22 |
| Extension- and compensating cables, paired KN 9-022 L | Lapp 0162051 | KN 9-022 L | NiCr/Ni | IEC KCA | PVC-PVC | 2 x 0,22 | 4.0 | | 22 |
| Extension- and compensating cables, paired KP 9-022 L | Lapp 0153051 | KP 9-022 L | PtRh/Pt | DIN RCB, SCB | PVC-PVC | 2 x 0,22 | 4.0 | | 22 |
| Extension- and compensating cables, paired KP 9-022 L | Lapp 0163051 | KP 9-022 L | PtRh/Pt | IEC RCB, SCB | PVC-PVC | 2 x 0,22 | 4.0 | | 22 |
| Extension- and compensating cables, paired KE 5-022 L-CY | Lapp 0151052 | KE 5-022 L-CY | Fe/CuNi | DIN LX | PVC-PVC-C-PVC | 2 x 0,22 | 4,9 | | 31 |
| Extension- and compensating cables, paired KE 5-022 L-CY | Lapp 0161052 | KE 5-022 L-CY | Fe/CuNi | IEC JX | PVC-PVC-C-PVC | 2 x 0,22 | 4,9 | | 31 |
| Extension- and compensating cables, paired KN 5-022 L-CY | Lapp 0152052 | KN 5-022 L-CY | NiCr/Ni | DIN KCA | PVC-PVC-C-PVC | 2 x 0,22 | 4,9 | | 31 |
| Extension- and compensating cables, paired KN 5-022 L-CY | Lapp 0162052 | KN 5-022 L-CY | NiCr/Ni | IEC KCA | PVC-PVC-C-PVC | 2 x 0,22 | 4,9 | | 31 |

Extension- and compensating cables, paired KN 91 L_

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| Product Name | Lapp Nr. | Reference/article designation | Thermocouple | Product Make-up | Cable design | Number of cores and mm ² per conductor | Outer diameter (mm) | Outer dimensions/width x height (mm) | Weight (kg/km) |
|----------------------------------------------------------|--------------|-------------------------------|--------------|-----------------|-----------------|---------------------------------------------------|---------------------|--------------------------------------|----------------|
| Extension- and compensating cables, paired KP 5-022 L-CY | Lapp 0153052 | KP 5-022 L-CY | PtRh/Pt | DIN RCB, SCB | PVC-PVC-C-PVC | 2 x 0,22 | 4,9 | | 31 |
| Extension- and compensating cables, paired KP 5-022 L-CY | Lapp 0163052 | KP 5-022 L-CY | PtRh/Pt | IEC RCB, SCB | PVC-PVC-C-PVC | 2 x 0,22 | 4,9 | | 31 |
| 0.5 mm ² extension and compensating cables | | | | | | | | | |
| Extension- and compensating cables, paired KE 91 L | Lapp 0151030 | KE 91 L | Fe/CuNi | DIN LX | PVC-PVC | 2 x 0,5 | 5,4 | | 45 |
| Extension- and compensating cables, paired KE 91 L | Lapp 0161030 | KE 91 L | Fe/CuNi | IEC JX | PVC-PVC | 2 x 0,5 | 5,4 | | 45 |
| Extension- and compensating cables, paired KN 91 L | Lapp 0152040 | KN 91 L | NiCr/Ni | DIN KCA | PVC-PVC | 2 x 0,5 | 5,4 | | 45 |
| Extension- and compensating cables, paired KN 91 L | Lapp 0162040 | KN 91 L | NiCr/Ni | IEC KCA | PVC-PVC | 2 x 0,5 | 5,4 | | 45 |
| Extension- and compensating cables, paired KE 41 L-SIL | Lapp 0151040 | KE 41 L-SIL | Fe/CuNi | DIN LX | SIL-SIL-S ovale | 2 x 0,5 | | 6,4 x 4,4 | 51 |
| Extension- and compensating cables, paired KE 41 L-SIL | Lapp 0161040 | KE 41 L-SIL | Fe/CuNi | IEC JX | SIL-SIL-S ovale | 2 x 0,5 | | 6,4 x 4,4 | 51 |
| Extension- and compensating cables, paired KN 41 L-SIL | Lapp 0152030 | KN 41 L-SIL | NiCr/Ni | DIN KCA | SIL-SIL-S ovale | 2 x 0,5 | | 6,4 x 4,4 | 51 |
| Extension- and compensating cables, paired KN 41 L-SIL | Lapp 0162030 | KN 41 L-SIL | NiCr/Ni | IEC KCA | SIL-SIL-S ovale | 2 x 0,5 | | 6,4 x 4,4 | 51 |
| 0.75 mm ² extension and compensating cables | | | | | | | | | |

Extension- and compensating cables, paired KN 91 L_

Lapp 0162040



| Product Name | Lapp Nr. | Reference/article designation | Thermocouple | Product Make-up | Cable design | Number of cores and mm ² per conductor | Outer diameter (mm) | Outer dimensions/width x height (mm) | Weight (kg/km) |
|--------------------------------------------------------|--------------|-------------------------------|--------------|-----------------|-----------------|---------------------------------------------------|---------------------|--------------------------------------|----------------|
| Extension- and compensating cables, paired KE 92 L | Lapp 0151035 | KE 92 L | Fe/CuNi | DIN LX | PVC-PVC | 2 x 0,75 | 6.0 | | 56 |
| Extension- and compensating cables, paired KE 92 L | Lapp 0161035 | KE 92 L | Fe/CuNi | IEC JX | PVC-PVC | 2 x 0,75 | 6.0 | | 56 |
| Extension- and compensating cables, paired KN 92 L | Lapp 0152045 | KN 92 L | NiCr/Ni | DIN KCA | PVC-PVC | 2 x 0,75 | 6.0 | | 56 |
| Extension- and compensating cables, paired KN 92 L | Lapp 0162045 | KN 92 L | NiCr/Ni | IEC KCA | PVC-PVC | 2 x 0,75 | 6.0 | | 56 |
| Extension- and compensating cables, paired KE 42 L-SIL | Lapp 0151050 | KE 42 L-SIL | Fe/CuNi | DIN LX | SIL-SIL-S ovale | 2 x 0,75 | | 6,4 x 4,4 | 58 |
| Extension- and compensating cables, paired KE 42 L-SIL | Lapp 0161050 | KE 42 L-SIL | Fe/CuNi | IEC JX | SIL-SIL-S ovale | 2 x 0,75 | | 6,4 x 4,4 | 58 |
| Extension- and compensating cables, paired KN 42 L-SIL | Lapp 0152035 | KN 42 L-SIL | NiCr/Ni | DIN KCA | SIL-SIL-S ovale | 2 x 0,75 | | 6,4 x 4,4 | 58 |
| Extension- and compensating cables, paired KN 42 L-SIL | Lapp 0162035 | KN 42 L-SIL | NiCr/Ni | IEC KCA | SIL-SIL-S ovale | 2 x 0,75 | | 6,4 x 4,4 | 58 |
| PVC-insulated versions 1,5 mm ² | | | | | | | | | |
| Extension- and compensating cables, paired KE 1 L | Lapp 0151001 | KE 1 L | Fe/CuNi | DIN LX | PVC | 2 x 1,5 | 5,4 | | 40 |
| Extension- and compensating cables, paired KE 1 L | Lapp 0161001 | KE 1 L | Fe/CuNi | IEC JX | PVC | 2 x 1,5 | 5,4 | | 40 |

Extension- and compensating cables, paired KN 91 L_

Lapp 0162040



| Product Name | Lapp Nr. | Reference/article designation | Thermocouple | Product Make-up | Cable design | Number of cores and mm ² per conductor | Outer diameter (mm) | Outer dimensions/width x height (mm) | Weight (kg/km) |
|----------------------------------------------------|--------------|-------------------------------|--------------|-----------------|---------------|---------------------------------------------------|---------------------|--------------------------------------|----------------|
| Extension- and compensating cables, paired KN 1 L | Lapp 0152001 | KN 1 L | NiCr/Ni | DIN KCA | PVC | 2 x 1,5 | 5,4 | | 40 |
| Extension- and compensating cables, paired KN 1 L | Lapp 0162001 | KN 1 L | NiCr/Ni | IEC KCA | PVC | 2 x 1,5 | 5,4 | | 40 |
| Extension- and compensating cables, paired KE 9 L | Lapp 0151010 | KE 9 L | Fe/CuNi | DIN LX | PVC-PVC round | 2 x 1,5 | 7,1 | | 79 |
| Extension- and compensating cables, paired KE 9 L | Lapp 0161010 | KE 9 L | Fe/CuNi | IEC JX | PVC-PVC round | 2 x 1,5 | 7,1 | | 79 |
| Extension- and compensating cables, paired KN 9 L | Lapp 0152010 | KN 9 L | NiCr/Ni | DIN KCA | PVC-PVC round | 2 x 1,5 | 7,1 | | 79 |
| Extension- and compensating cables, paired KN 9 L | Lapp 0162010 | KN 9 L | NiCr/Ni | IEC KCA | PVC-PVC round | 2 x 1,5 | 7,1 | | 79 |
| Extension- and compensating cables, paired KXN 9 L | Lapp 0154010 | KXN 9 L | NiCr/Ni | DIN KX | PVC-PVC round | 2 x 1,5 | 7,1 | | 79 |
| Extension- and compensating cables, paired KXN 9 L | Lapp 0164010 | KXN 9 L | NiCr/Ni | IEC KX | PVC-PVC round | 2 x 1,5 | 7,1 | | 79 |
| Extension- and compensating cables, paired KP 9 L | Lapp 0153010 | KP 9 L | PtRh/Pt | DIN RCB, SCB | PVC-PVC round | 2 x 1,5 | 7,1 | | 79 |
| Extension- and compensating cables, paired KP 9 L | Lapp 0163010 | KP 9 L | PtRh/Pt | IEC RCB, SCB | PVC-PVC round | 2 x 1,5 | 7,1 | | 79 |
| Extension- and compensating cables, paired KE 12 L | Lapp 0151017 | KE 12 L | Fe/CuNi | DIN LX | PVC-PVC ovale | 2 x 1,5 | | 7,2 x 4,4 | 69 |

Extension- and compensating cables, paired KN 91 L_

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| Product Name | Lapp Nr. | Reference/article designation | Thermocouple | Product Make-up | Cable design | Number of cores and mm ² per conductor | Outer diameter (mm) | Outer dimensions/width x height (mm) | Weight (kg/km) |
|-----------------------------------------------------|--------------|-------------------------------|--------------|-----------------|---------------|---------------------------------------------------|---------------------|--------------------------------------|----------------|
| Extension- and compensating cables, paired KE 12 L | Lapp 0161017 | KE 12 L | Fe/CuNi | IEC JX | PVC-PVC ovale | 2 x 1,5 | | 7,2 x 4,4 | 69 |
| Extension- and compensating cables, paired KN 12 L | Lapp 0152017 | KN 12 L | NiCr/Ni | DIN KCA | PVC-PVC ovale | 2 x 1,5 | | 7,2 x 4,4 | 69 |
| Extension- and compensating cables, paired KN 12 L | Lapp 0162017 | KN 12 L | NiCr/Ni | IEC KCA | PVC-PVC ovale | 2 x 1,5 | | 7,2 x 4,4 | 69 |
| Extension- and compensating cables, paired KE 20 L | Lapp 0154011 | KE 20 L | Fe/CuNi | DIN LX | PVC-ST-PVC | 2 x 1,5 | 7,6 | | 85 |
| Extension- and compensating cables, paired KE 20 L | Lapp 0164011 | KE 20 L | Fe/CuNi | IEC JX | PVC-ST-PVC | 2 x 1,5 | 7,6 | | 85 |
| Extension- and compensating cables, paired KN 20 L | Lapp 0154012 | KN 20 L | NiCr/Ni | DIN KCA | PVC-ST-PVC | 2 x 1,5 | 7,6 | | 85 |
| Extension- and compensating cables, paired KN 20 L | Lapp 0164012 | KN 20 L | NiCr/Ni | IEC KCA | PVC-ST-PVC | 2 x 1,5 | 7,6 | | 85 |
| Extension- and compensating cables, paired KXN 20 L | Lapp 0154013 | KXN 20 L | NiCr/Ni | DIN KX | PVC-ST-PVC | 2 x 1,5 | 7,6 | | 85 |
| Extension- and compensating cables, paired KXN 20 L | Lapp 0164013 | KXN 20 L | NiCr/Ni | IEC KX | PVC-ST-PVC | 2 x 1,5 | 7,6 | | 85 |
| Extension- and compensating cables, paired KP 20 L | Lapp 0154014 | KP 20 L | PtRh/Pt | DIN RCB, SCB | PVC-ST-PVC | 2 x 1,5 | 7,6 | | 85 |

Extension- and compensating cables, paired KN 91 L_

Lapp 0162040



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|------------------------------------------------------|--------------|-------------------------------|--------------|-----------------|---------------|---------------------------------------------------|---------------------|--------------------------------------|----------------|
| Extension- and compensating cables, paired KP 20 L | Lapp 0164014 | KP 20 L | PtRh/Pt | IEC RCB, SCB | PVC-ST-PVC | 2 x 1,5 | 7,6 | | 85 |
| Extension- and compensating cables, paired KE 9 L-S | Lapp 0151011 | KE 9 L-S | Fe/CuNi | DIN LX | PVC-PVC-S | 2 x 1,5 | 8.0 | | 140 |
| Extension- and compensating cables, paired KE 9 L-S | Lapp 0161011 | KE 9 L-S | Fe/CuNi | IEC JX | PVC-PVC-S | 2 x 1,5 | 8.0 | | 140 |
| Extension- and compensating cables, paired KN 9 L-S | Lapp 0152011 | KN 9 L-S | NiCr/Ni | DIN KCA | PVC-PVC-S | 2 x 1,5 | 8.0 | | 140 |
| Extension- and compensating cables, paired KN 9 L-S | Lapp 0162011 | KN 9 L-S | NiCr/Ni | IEC KCA | PVC-PVC-S | 2 x 1,5 | 8.0 | | 140 |
| Extension- and compensating cables, paired KE 9 L-SY | Lapp 0157514 | KE 9 L-SY | Fe/CuNi | DIN LX | PVC-PVC-S-PVC | 2 x 1,5 | 10,3 | | 160 |
| Extension- and compensating cables, paired KE 9 L-SY | Lapp 0167514 | KE 9 L-SY | Fe/CuNi | IEC JX | PVC-PVC-S-PVC | 2 x 1,5 | 10,3 | | 160 |
| Extension- and compensating cables, paired KN 9 L-SY | Lapp 0157513 | KN 9 L-SY | NiCr/Ni | DIN KCA | PVC-PVC-S-PVC | 2 x 1,5 | 10,3 | | 160 |
| Extension- and compensating cables, paired KN 9 L-SY | Lapp 0167513 | KN 9 L-SY | NiCr/Ni | IEC KCA | PVC-PVC-S-PVC | 2 x 1,5 | 10,3 | | 160 |
| Extension- and compensating cables, paired KP 9 L-SY | Lapp 0157515 | KP 9 L-SY | PtRh/Pt | DIN RCB, SCB | PVC-PVC-S-PVC | 2 x 1,5 | 10,3 | | 160 |

Extension- and compensating cables, paired KN 91 L_

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| Product Name | Lapp Nr. | Reference/article designation | Thermocouple | Product Make-up | Cable design | Number of cores and mm ² per conductor | Outer diameter (mm) | Outer dimensions/width x height (mm) | Weight (kg/km) |
|--------------------------------------------------------|--------------|-------------------------------|--------------|-----------------|---------------|---------------------------------------------------|---------------------|--------------------------------------|----------------|
| Extension- and compensating cables, paired KP 9 L-SY | Lapp 0167515 | KP 9 L-SY | PtRh/Pt | IEC RCB, SCB | PVC-PVC-S-PVC | 2 x 1,5 | 10,3 | | 160 |
| Silicone-insulated versions 1.5 mm ² | | | | | | | | | |
| Extension- and compensating cables, paired KE 1 L-SIL | Lapp 0151003 | KE 1 L-SIL | Fe/CuNi | DIN LX | SIL | 2 x 1,5 | 5,4 | | 40 |
| Extension- and compensating cables, paired KE 1 L-SIL | Lapp 0161003 | KE 1 L-SIL | Fe/CuNi | IEC JX | SIL | 2 x 1,5 | 5,4 | | 40 |
| Extension- and compensating cables, paired KN 1 L-SIL | Lapp 0152003 | KN 1 L-SIL | NiCr/Ni | DIN KCA | SIL | 2 x 1,5 | 5,4 | | 40 |
| Extension- and compensating cables, paired KN 1 L-SIL | Lapp 0162003 | KN 1 L-SIL | NiCr/Ni | IEC KCA | SIL | 2 x 1,5 | 5,4 | | 40 |
| Extension- and compensating cables, paired KE 15 L-SIL | Lapp 0151022 | KE 15 L-SIL | Fe/CuNi | DIN LX | SIL-SIL round | 2 x 1,5 | 7.0 | | 76 |
| Extension- and compensating cables, paired KE 15 L-SIL | Lapp 0161022 | KE 15 L-SIL | Fe/CuNi | IEC JX | SIL-SIL round | 2 x 1,5 | 7.0 | | 76 |
| Extension- and compensating cables, paired KN 15 L-SIL | Lapp 0152022 | KN 15 L-SIL | NiCr/Ni | DIN KCA | SIL-SIL round | 2 x 1,5 | 7.0 | | 76 |
| Extension- and compensating cables, paired KN 15 L-SIL | Lapp 0162022 | KN 15 L-SIL | NiCr/Ni | IEC KCA | SIL-SIL round | 2 x 1,5 | 7.0 | | 76 |
| Extension- and compensating cables, paired KP 15 L-SIL | Lapp 0153022 | KP 15 L-SIL | PtRh/Pt | DIN RCB, SCB | SIL-SIL round | 2 x 1,5 | 7.0 | | 76 |

Extension- and compensating cables, paired KN 91 L_

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| Product Name | Lapp Nr. | Reference/article designation | Thermocouple | Product Make-up | Cable design | Number of cores and mm ² per conductor | Outer diameter (mm) | Outer dimensions/width x height (mm) | Weight (kg/km) |
|----------------------------------------------------------|--------------|-------------------------------|--------------|-----------------|-----------------|---------------------------------------------------|---------------------|--------------------------------------|----------------|
| Extension- and compensating cables, paired KP 15 L-SIL | Lapp 0163022 | KP 15 L-SIL | PtRh/Pt | IEC RCB, SCB | SIL-SIL round | 2 x 1,5 | 7,0 | | 76 |
| Extension- and compensating cables, paired KE 15 L-SIL-S | Lapp 0151023 | KE 15 L-SIL-S | Fe/CuNi | DIN LX | SIL-SIL-S round | 2 x 1,5 | 7,8 | | 105 |
| Extension- and compensating cables, paired KE 15 L-SIL-S | Lapp 0161023 | KE 15 L-SIL-S | Fe/CuNi | IEC JX | SIL-SIL-S round | 2 x 1,5 | 7,8 | | 105 |
| Extension- and compensating cables, paired KN 15 L-SIL-S | Lapp 0152023 | KN 15 L-SIL-S | NiCr/Ni | DIN KCA | SIL-SIL-S round | 2 x 1,5 | 7,8 | | 105 |
| Extension- and compensating cables, paired KN 15 L-SIL-S | Lapp 0162023 | KN 15 L-SIL-S | NiCr/Ni | IEC KCA | SIL-SIL-S round | 2 x 1,5 | 7,8 | | 105 |
| Extension- and compensating cables, paired KP 15 L-SIL-S | Lapp 0153023 | KP 15 L-SIL-S | PtRh/Pt | DIN RCB, SCB | SIL-SIL-S round | 2 x 1,5 | 7,8 | | 105 |
| Extension- and compensating cables, paired KP 15 L-SIL-S | Lapp 0163023 | KP 15 L-SIL-S | PtRh/Pt | IEC RCB, SCB | SIL-SIL-S round | 2 x 1,5 | 7,8 | | 105 |
| Extension- and compensating cables, paired KE 4 L-SIL-S | Lapp 0151007 | KE 4 L-SIL-S | Fe/CuNi | DIN LX | SIL-SIL-S ovale | 2 x 1,5 | | 8 x 5,2 | 85 |
| Extension- and compensating cables, paired KE 4 L-SIL-S | Lapp 0161007 | KE 4 L-SIL-S | Fe/CuNi | IEC JX | SIL-SIL-S ovale | 2 x 1,5 | | 8 x 5,2 | 85 |
| Extension- and compensating cables, paired KN 4 L-SIL-S | Lapp 0152007 | KN 4 L-SIL-S | NiCr/Ni | DIN KCA | SIL-SIL-S ovale | 2 x 1,5 | | 8 x 5,2 | 85 |

Extension- and compensating cables, paired KN 91 L_

Lapp 0162040



| Product Name | Lapp Nr. | Reference/article designation | Thermocouple | Product Make-up | Cable design | Number of cores and mm ² per conductor | Outer diameter (mm) | Outer dimensions/width x height (mm) | Weight (kg/km) |
|----------------------------------------------------------|--------------|-------------------------------|--------------|-----------------|-----------------|---------------------------------------------------|---------------------|--------------------------------------|----------------|
| Extension- and compensating cables, paired KN 4 L-SIL-S | Lapp 0162007 | KN 4 L-SIL-S | NiCr/Ni | IEC KCA | SIL-SIL-S ovale | 2 x 1,5 | | 8 x 5,2 | 85 |
| Extension- and compensating cables, paired KP 4 L-SIL-S | Lapp 0153007 | KP 4 L-SIL-S | PtRh/Pt | DIN RCB, SCB | SIL-SIL-S ovale | 2 x 1,5 | | 8 x 5,2 | 85 |
| Extension- and compensating cables, paired KP 4 L-SIL-S | Lapp 0163007 | KP 4 L-SIL-S | PtRh/Pt | IEC RCB, SCB | SIL-SIL-S ovale | 2 x 1,5 | | 8 x 5,2 | 85 |
| Extension- and compensating cables, paired KE 13 L-SIL | Lapp 0151019 | KE 13 L-SIL | Fe/CuNi | DIN LX | SIL-GL ovale | 2 x 1,5 | | 6 x 3,3 | 50 |
| Extension- and compensating cables, paired KE 13 L-SIL | Lapp 0161019 | KE 13 L-SIL | Fe/CuNi | IEC JX | SIL-GL ovale | 2 x 1,5 | | 6 x 3,3 | 50 |
| Extension- and compensating cables, paired KN 13 L-SIL | Lapp 0152019 | KN 13 L-SIL | NiCr/Ni | DIN KCA | SIL-GL ovale | 2 x 1,5 | | 6 x 3,3 | 50 |
| Extension- and compensating cables, paired KN 13 L-SIL | Lapp 0162019 | KN 13 L-SIL | NiCr/Ni | IEC KCA | SIL-GL ovale | 2 x 1,5 | | 6 x 3,3 | 50 |
| Extension- and compensating cables, paired KP 13 L-SIL | Lapp 0153019 | KP 13 L-SIL | PtRh/Pt | DIN RCB, SCB | SIL-GL ovale | 2 x 1,5 | | 6 x 3,3 | 50 |
| Extension- and compensating cables, paired KE 11 L-SIL-S | Lapp 0151015 | KE 11 L-SIL-S | Fe/CuNi | DIN LX | SIL-GL-S | 2 x 1,5 | 6,7 | | 82 |
| Extension- and compensating cables, paired KE 11 L-SIL-S | Lapp 0161015 | KE 11 L-SIL-S | Fe/CuNi | IEC JX | SIL-GL-S | 2 x 1,5 | 6,7 | | 82 |

Extension- and compensating cables, paired KN 91 L_

Lapp 0162040



| Product Name | Lapp Nr. | Reference/article designation | Thermocouple | Product Make-up | Cable design | Number of cores and mm ² per conductor | Outer diameter (mm) | Outer dimensions/width x height (mm) | Weight (kg/km) |
|----------------------------------------------------------|--------------|-------------------------------|--------------|-----------------|---------------|---------------------------------------------------|---------------------|--------------------------------------|----------------|
| Extension- and compensating cables, paired KN 11 L-SIL-S | Lapp 0152015 | KN 11 L-SIL-S | NiCr/Ni | DIN KCA | SIL-GL-S | 2 x 1,5 | 6,7 | | 82 |
| Extension- and compensating cables, paired KN 11 L-SIL-S | Lapp 0162015 | KN 11 L-SIL-S | NiCr/Ni | IEC KCA | SIL-GL-S | 2 x 1,5 | 6,7 | | 82 |
| Extension- and compensating cables, paired KP 11 L-SIL-S | Lapp 0153015 | KP 11 L-SIL-S | PtRh/Pt | DIN RCB, SCB | SIL-GL-S | 2 x 1,5 | 6,7 | | 82 |
| Extension- and compensating cables, paired KP 11 L-SIL-S | Lapp 0163015 | KP 11 L-SIL-S | PtRh/Pt | IEC RCB, SCB | SIL-GL-S | 2 x 1,5 | 6,7 | | 82 |
| Glass fibre-insulated versions 1.5 mm ² | | | | | | | | | |
| Extension- and compensating cables, paired KE 3 L | Lapp 0151005 | KE 3 L | Fe/CuNi | DIN LX | GL-GL ovale | 2 x 1,5 | | 5,1 x 2,7 | 64 |
| Extension- and compensating cables, paired KE 3 L | Lapp 0161005 | KE 3 L | Fe/CuNi | IEC JX | GL-GL ovale | 2 x 1,5 | | 5,1 x 2,7 | 64 |
| Extension- and compensating cables, paired KN 3 L | Lapp 0152005 | KN 3 L | NiCr/Ni | DIN KCA | GL-GL ovale | 2 x 1,5 | | 5,1 x 2,7 | 64 |
| Extension- and compensating cables, paired KN 3 L | Lapp 0162005 | KN 3 L | NiCr/Ni | IEC KCA | GL-GL ovale | 2 x 1,5 | | 5,1 x 2,7 | 64 |
| Extension- and compensating cables, paired KP 3 L | Lapp 0153005 | KP 3 L | PtRh/Pt | DIN RCB, SCB | GL-GL ovale | 2 x 1,5 | | 5,1 x 2,7 | 64 |
| Extension- and compensating cables, paired KP 3 L | Lapp 0163005 | KP 3 L | PtRh/Pt | IEC RCB, SCB | GL-GL ovale | 2 x 1,5 | | 5,1 x 2,7 | 64 |
| Extension- and compensating cables, paired KE 4 L-S | Lapp 0151006 | KE 4 L-S | Fe/CuNi | DIN LX | GL-GL-S ovale | 2 x 1,5 | | 5,9 x 3,7 | 87 |

Extension- and compensating cables, paired KN 91 L_

Lapp 0162040



| Product Name | Lapp Nr. | Reference/article designation | Thermocouple | Product Make-up | Cable design | Number of cores and mm ² per conductor | Outer diameter (mm) | Outer dimensions/width x height (mm) | Weight (kg/km) |
|-----------------------------------------------------|--------------|-------------------------------|--------------|-----------------|---------------|---------------------------------------------------|---------------------|--------------------------------------|----------------|
| Extension- and compensating cables, paired KE 4 L-S | Lapp 0161006 | KE 4 L-S | Fe/CuNi | IEC JX | GL-GL-S ovale | 2 x 1,5 | | 5,9 x 3,7 | 87 |
| Extension- and compensating cables, paired KN 4 L-S | Lapp 0152006 | KN 4 L-S | NiCr/Ni | DIN KCA | GL-GL-S ovale | 2 x 1,5 | | 5,9 x 3,7 | 87 |
| Extension- and compensating cables, paired KN 4 L-S | Lapp 0162006 | KN 4 L-S | NiCr/Ni | IEC KCA | GL-GL-S ovale | 2 x 1,5 | | 5,9 x 3,7 | 87 |
| Extension- and compensating cables, paired KP 4 L-S | Lapp 0153006 | KP 4 L-S | PtRh/Pt | DIN RCB, SCB | GL-GL-S ovale | 2 x 1,5 | | 5,9 x 3,7 | 87 |
| Extension- and compensating cables, paired KP 4 L-S | Lapp 0163006 | KP 4 L-S | PtRh/Pt | IEC RCB, SCB | GL-GL-S ovale | 2 x 1,5 | | 5,9 x 3,7 | 87 |