



**Description:** Extension- and compensating cables, paired KXN 9 L\_

**Lapp code:** Lapp 0164010

The **Test voltage** of the cable Lapp 0164010 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 KXN 9 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 0164010 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 <sup>2</sup> per conductor	Outer diameter (mm)	Outer dimensions/width x height (mm)	Weight (kg/km)
0.22 mm <sup>2</sup> 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 KXN 9 L\_

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Product Name	Lapp Nr.	Reference/article designation	Thermocouple	Product Make-up	Cable design	Number of cores and mm <sup>2</sup> 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 <sup>2</sup> 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 <sup>2</sup> extension and compensating cables									

# Extension- and compensating cables, paired KXN 9 L\_

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Product Name	Lapp Nr.	Reference/article designation	Thermocouple	Product Make-up	Cable design	Number of cores and mm <sup>2</sup> 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 <sup>2</sup>									
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 KXN 9 L\_

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Product Name	Lapp Nr.	Reference/article designation	Thermocouple	Product Make-up	Cable design	Number of cores and mm <sup>2</sup> 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 KXN 9 L\_

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Product Name	Lapp Nr.	Reference/article designation	Thermocouple	Product Make-up	Cable design	Number of cores and mm <sup>2</sup> 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 KXN 9 L\_

Lapp 0164010



Product Name	Lapp Nr.	Reference/article designation	Thermocouple	Product Make-up	Cable design	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Outer dimensions/width x height (mm)	Weight (kg/km)
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 KXN 9 L\_

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Product Name	Lapp Nr.	Reference/article designation	Thermocouple	Product Make-up	Cable design	Number of cores and mm <sup>2</sup> 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 <sup>2</sup>									
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

DATASHEET FOR Extension- and compensating cables, paired KXN 9 L\_ by

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# Extension- and compensating cables, paired KXN 9 L\_

Lapp 0164010



Product Name	Lapp Nr.	Reference/article designation	Thermocouple	Product Make-up	Cable design	Number of cores and mm <sup>2</sup> 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

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# Extension- and compensating cables, paired KXN 9 L\_

Lapp 0164010



Product Name	Lapp Nr.	Reference/article designation	Thermocouple	Product Make-up	Cable design	Number of cores and mm <sup>2</sup> 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

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# Extension- and compensating cables, paired KXN 9 L\_

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Product Name	Lapp Nr.	Reference/article designation	Thermocouple	Product Make-up	Cable design	Number of cores and mm <sup>2</sup> 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 <sup>2</sup>									
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 KXN 9 L\_

Lapp 0164010



Product Name	Lapp Nr.	Reference/article designation	Thermocouple	Product Make-up	Cable design	Number of cores and mm <sup>2</sup> 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