



**Description:** Extension- and compensating cables, multi-paired Fe-CuNi\_

**Lapp code:** Lapp 0168509

The **Test voltage** of the cable Lapp 0168509 is /.

/

## Product Make-up

- Version Y:
  - Fine-wire conductor alloy
  - PVC core insulation
  - Cores twisted into layers
  - PVC outer sheath
- Version SY:
  - Design as version Y
  - Additional galvanised steel wire braiding
  - PVC outer sheath
- Version ST:
  - Design as version Y
  - Cores twisted in pairs,  
pairs twisted in layers
  - Aluminium foil screening + drain wire
  - PVC outer sheath
- Design, for example PVC-PVC-S-PVC:
  - PVC core insulation
  - PVC inner sheath
  - Steel wire braiding
  - PVC outer sheath
- Design, for example PVC-ST-PVC:
  - PVC core insulation
  - Static foil screen
  - PVC outer sheath
- Colour identity code  
DIN 43710  
Negative conductor and outer sheath:  
Fe/CuNi: blue  
NiCr/Ni: green  
PtRh/Pt: white  
Positive conductor: always red  
IEC 60 584  
Positive conductor and outer sheath:  
Fe/CuNi: black

- NiCr/Ni: green  
PtRh/Pt: orange  
Negative conductor: always white
- Extension-conductor alloys are identified with X, e.g. JX (Fe/CuNi)  
Compensating-conductor alloys are identified with C, e.g. KCA (NiCr/Ni)

In our Cable list on next page you can find all interesting information acc. article Lapp 0168509 and much more.

CABLE LIST - all informations you need you can find here

Product Name	Lapp Nr.	Thermocouple	Product Make-up	Cable design	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Weight (kg/km)
Type Y without steel wire braiding							
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0155001	Fe/CuNi	DIN-LX	PVC-PVC	4 x 1,5	8,2	130
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0165001	Fe/CuNi	IEC-JX	PVC-PVC	4 x 1,5	8,2	130
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0156001	NiCr/Ni	DIN-KCA	PVC-PVC	4 x 1,5	8,2	130
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0166001	NiCr/Ni	IEC-KCA	PVC-PVC	4 x 1,5	8,2	130
Extension- and compensating cables, multi-paired PtRh/Pt	Lapp 0157001	PtRh/Pt	DIN-RCB/SCB	PVC-PVC	4 x 1,5	8,2	130
Extension- and compensating cables, multi-paired PtRh/Pt	Lapp 0167001	PtRh/Pt	IEC-RCB/SCB	PVC-PVC	4 x 1,5	8,2	130
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0155002	Fe/CuNi	DIN-LX	PVC-PVC	6 x 1,5	10,2	200
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0165002	Fe/CuNi	IEC-JX	PVC-PVC	6 x 1,5	10,2	200
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0156002	NiCr/Ni	DIN-KCA	PVC-PVC	6 x 1,5	10,2	200
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0166002	NiCr/Ni	IEC-KCA	PVC-PVC	6 x 1,5	10,2	200
Extension- and compensating cables, multi-paired PtRh/Pt	Lapp 0157002	PtRh/Pt	DIN-RCB/SCB	PVC-PVC	6 x 1,5	10,2	200
Extension- and compensating cables, multi-paired PtRh/Pt	Lapp 0167002	PtRh/Pt	IEC-RCB/SCB	PVC-PVC	6 x 1,5	10,2	200
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0155003	Fe/CuNi	DIN-LX	PVC-PVC	8 x 1,5	11,2	238
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0165003	Fe/CuNi	IEC-JX	PVC-PVC	8 x 1,5	11,2	238

# Extension- and compensating cables, multi-paired Fe-CuNi\_

Lapp 0168509



Product Name	Lapp Nr.	Thermocouple	Product Make-up	Cable design	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Weight (kg/km)
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0156003	NiCr/Ni	DIN-KCA	PVC-PVC	8 x 1,5	11,2	238
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0166003	NiCr/Ni	IEC-KCA	PVC-PVC	8 x 1,5	11,2	238
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0155005	Fe/CuNi	DIN-LX	PVC-PVC	12 x 1,5	13,3	335
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0165005	Fe/CuNi	IEC-JX	PVC-PVC	12 x 1,5	13,3	335
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0155007	Fe/CuNi	DIN-LX	PVC-PVC	16 x 1,5	15,0	447
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0165007	Fe/CuNi	IEC-JX	PVC-PVC	16 x 1,5	15,0	447
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0156007	NiCr/Ni	DIN-KCA	PVC-PVC	16 x 1,5	15,0	447
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0166007	NiCr/Ni	IEC-KCA	PVC-PVC	16 x 1,5	15,0	447
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0155010	Fe/CuNi	DIN-LX	PVC-PVC	24 x 1,5	19,0	555
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0165010	Fe/CuNi	IEC-JX	PVC-PVC	24 x 1,5	19,0	555
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0156010	NiCr/Ni	DIN-KCA	PVC-PVC	24 x 1,5	19,0	555
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0166010	NiCr/Ni	IEC-KCA	PVC-PVC	24 x 1,5	19,0	555
Type SY with steel wire braiding							
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0155501	Fe/CuNi	DIN-LX	PVC-PVC-S-PVC	4 x 1,5	11,4	240
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0165501	Fe/CuNi	IEC-JX	PVC-PVC-S-PVC	4 x 1,5	11,4	240
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0156501	NiCr/Ni	DIN-KCA	PVC-PVC-S-PVC	4 x 1,5	11,4	240

# Extension- and compensating cables, multi-paired Fe-CuNi\_

Lapp 0168509



Product Name	Lapp Nr.	Thermocouple	Product Make-up	Cable design	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Weight (kg/km)
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0166501	NiCr/Ni	IEC-KCA	PVC-PVC-S-PVC	4 x 1,5	11,4	240
Extension- and compensating cables, multi-paired PtRh/Pt	Lapp 0157501	PtRh/Pt	DIN-RCB/SCB	PVC-PVC-S-PVC	4 x 1,5	11,4	240
Extension- and compensating cables, multi-paired PtRh/Pt	Lapp 0167501	PtRh/Pt	IEC-RCB/SCB	PVC-PVC-S-PVC	4 x 1,5	11,4	240
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0155502	Fe/CuNi	DIN-LX	PVC-PVC-S-PVC	6 x 1,5	13,0	355
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0165502	Fe/CuNi	IEC-JX	PVC-PVC-S-PVC	6 x 1,5	13,0	355
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0156502	NiCr/Ni	DIN-KCA	PVC-PVC-S-PVC	6 x 1,5	13,0	355
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0166502	NiCr/Ni	IEC-KCA	PVC-PVC-S-PVC	6 x 1,5	13,0	355
Extension- and compensating cables, multi-paired PtRh/Pt	Lapp 0157502	PtRh/Pt	DIN-RCB/SCB	PVC-PVC-S-PVC	6 x 1,5	13,0	355
Extension- and compensating cables, multi-paired PtRh/Pt	Lapp 0167502	PtRh/Pt	IEC-RCB/SCB	PVC-PVC-S-PVC	6 x 1,5	13,0	355
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0155503	Fe/CuNi	DIN-LX	PVC-PVC-S-PVC	8 x 1,5	13,8	410
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0165503	Fe/CuNi	IEC-JX	PVC-PVC-S-PVC	8 x 1,5	13,8	410
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0156503	NiCr/Ni	DIN-KCA	PVC-PVC-S-PVC	8 x 1,5	13,8	410
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0166503	NiCr/Ni	IEC-KCA	PVC-PVC-S-PVC	8 x 1,5	13,8	410
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0155505	Fe/CuNi	DIN-LX	PVC-PVC-S-PVC	12 x 1,5	17,9	550
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0165505	Fe/CuNi	IEC-JX	PVC-PVC-S-PVC	12 x 1,5	17,9	550

# Extension- and compensating cables, multi-paired Fe-CuNi\_

Lapp 0168509



Product Name	Lapp Nr.	Thermocouple	Product Make-up	Cable design	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Weight (kg/km)
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0156505	NiCr/Ni	DIN-KCA	PVC-PVC-S-PVC	12 x 1,5	17,9	550
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0166505	NiCr/Ni	IEC-KCA	PVC-PVC-S-PVC	12 x 1,5	17,9	550
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0155507	Fe/CuNi	DIN-LX	PVC-PVC-S-PVC	16 x 1,5	19,4	730
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0165507	Fe/CuNi	IEC-JX	PVC-PVC-S-PVC	16 x 1,5	19,4	730
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0155510	Fe/CuNi	DIN-LX	PVC-PVC-S-PVC	24 x 1,5	23,8	847
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0165510	Fe/CuNi	IEC-JX	PVC-PVC-S-PVC	24 x 1,5	23,8	847
Type ST with static overall screening							
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0158500	Fe/CuNi	DIN-LX	PVC-ST-PVC	2 x 2 x 1,5	11,4	145
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0168500	Fe/CuNi	IEC-JX	PVC-ST-PVC	2 x 2 x 1,5	11,4	145
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0158501	NiCr/Ni	DIN-KCA	PVC-ST-PVC	2 x 2 x 1,5	11,4	145
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0168501	NiCr/Ni	IEC-KCA	PVC-ST-PVC	2 x 2 x 1,5	11,4	145
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0158503	Fe/CuNi	DIN-LX	PVC-ST-PVC	4 x 2 x 1,5	13,7	257
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0168503	Fe/CuNi	IEC-JX	PVC-ST-PVC	4 x 2 x 1,5	13,7	257
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0158504	NiCr/Ni	DIN-KCA	PVC-ST-PVC	4 x 2 x 1,5	13,7	257
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0168504	NiCr/Ni	IEC-KCA	PVC-ST-PVC	4 x 2 x 1,5	13,7	257
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0158506	Fe/CuNi	DIN-LX	PVC-ST-PVC	8 x 2 x 1,5	18,3	469

DATASHEET FOR Extension- and compensating cables, multi-paired Fe-CuNi\_ by

PERTRONIC CABLES SASA PERIC ROSENSTR.6 74239 HARDTHAUSEN TEL: 07139-507-8687 FAX: 07139-507-8680

www.pertronic-cables.com | sales@pertronic.eu | Skype PERTRONIC-CABLES | see you GOOGLE + PERTRONIC KABEL

# Extension- and compensating cables, multi-paired Fe-CuNi\_

Lapp 0168509



Product Name	Lapp Nr.	Thermocouple	Product Make-up	Cable design	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Weight (kg/km)
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0168506	Fe/CuNi	IEC-JX	PVC-ST-PVC	8 x 2 x 1,5	18,3	469
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0158507	NiCr/Ni	DIN-KCA	PVC-ST-PVC	8 x 2 x 1,5	18,3	469
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0168507	NiCr/Ni	IEC-KCA	PVC-ST-PVC	8 x 2 x 1,5	18,3	469
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0158509	Fe/CuNi	DIN-LX	PVC-ST-PVC	12 x 2 x 1,5	22,2	573
Extension- and compensating cables, multi-paired Fe/CuNi	Lapp 0168509	Fe/CuNi	IEC-JX	PVC-ST-PVC	12 x 2 x 1,5	22,2	573
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0158510	NiCr/Ni	DIN-KCA	PVC-ST-PVC	12 x 2 x 1,5	22,2	573
Extension- and compensating cables, multi-paired NiCr/Ni	Lapp 0168510	NiCr/Ni	IEC-KCA	PVC-ST-PVC	12 x 2 x 1,5	22,2	573