



**Description:** Extension- and compensating cables, multi-paired NiCr-Ni\_

**Lapp code:** Lapp 0158507

The **Test voltage** of the cable Lapp 0158507 is /.

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## 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 0158507 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 NiCr-Ni\_

Lapp 0158507



| 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 NiCr-Ni\_

Lapp 0158507



| 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 NiCr-Ni\_

Lapp 0158507



| 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            |

# Extension- and compensating cables, multi-paired NiCr-Ni\_

Lapp 0158507



| 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            |