

Extension- and compensating cables, multi-paired

PVC insulated - with and without steel wire armouring or foil screen



Info

- Version SY - Armoured against mechanical loads
- Version ST - Screened against electromagnetic interference

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)

Technical data

- Classification ETIM 5/6**
 ETIM 5.0/6.0 Class-ID: EC000838
 ETIM 5.0/6.0 Class-Description: Thermocouple cable
- Core identification code**
 From 4 cores in pairs with consecutively marked numbers (1-1, 2-2, 3-3, 4-4...)
- Based on**
 Limiting deviation in accordance with DIN and IEC in accordance with class 2
- Conductor stranding**
 48 x 0.20 mm
- Minimum bending radius**
 For flexible use:
 12.5 x outer diameter
 Type SY with steel braid:
 15 x outer diameter
 Type ST with foil screen:
 15 x outer diameter
- Temperature range**
 (referring to insulation and sheath material)
 Flexing: -5°C to +80°C
 Fixed installation: -40°C to +80°C

Article number	Thermocouple	Product Make-up	Cable design	Number of cores and mm ² per conductor	Outer diameter [mm]	Weight (kg/km)
Type Y without steel wire braiding						
0155001	Fe/CuNi	DIN-LX	PVC-PVC	4 x 1.5	8.2	130
0165001	Fe/CuNi	IEC-JX	PVC-PVC	4 x 1.5	8.2	130
0156001	NiCr/Ni	DIN-KCA	PVC-PVC	4 x 1.5	8.2	130
0166001	NiCr/Ni	IEC-KCA	PVC-PVC	4 x 1.5	8.2	130
0157001	PtRh/Pt	DIN-RCB/SCB	PVC-PVC	4 x 1.5	8.2	130
0167001	PtRh/Pt	IEC-RCB/SCB	PVC-PVC	4 x 1.5	8.2	130
0155002	Fe/CuNi	DIN-LX	PVC-PVC	6 x 1.5	10.2	200
0165002	Fe/CuNi	IEC-JX	PVC-PVC	6 x 1.5	10.2	200
0156002	NiCr/Ni	DIN-KCA	PVC-PVC	6 x 1.5	10.2	200
0166002	NiCr/Ni	IEC-KCA	PVC-PVC	6 x 1.5	10.2	200
0157002	PtRh/Pt	DIN-RCB/SCB	PVC-PVC	6 x 1.5	10.2	200
0167002	PtRh/Pt	IEC-RCB/SCB	PVC-PVC	6 x 1.5	10.2	200
0155003	Fe/CuNi	DIN-LX	PVC-PVC	8 x 1.5	11.2	238
0165003	Fe/CuNi	IEC-JX	PVC-PVC	8 x 1.5	11.2	238
0156003	NiCr/Ni	DIN-KCA	PVC-PVC	8 x 1.5	11.2	238
0166003	NiCr/Ni	IEC-KCA	PVC-PVC	8 x 1.5	11.2	238
0155005	Fe/CuNi	DIN-LX	PVC-PVC	12 x 1.5	13.3	335
0165005	Fe/CuNi	IEC-JX	PVC-PVC	12 x 1.5	13.3	335
0155007	Fe/CuNi	DIN-LX	PVC-PVC	16 x 1.5	15.0	447
0165007	Fe/CuNi	IEC-JX	PVC-PVC	16 x 1.5	15.0	447
0156007	NiCr/Ni	DIN-KCA	PVC-PVC	16 x 1.5	15.0	447
0166007	NiCr/Ni	IEC-KCA	PVC-PVC	16 x 1.5	15.0	447
0155010	Fe/CuNi	DIN-LX	PVC-PVC	24 x 1.5	19.0	555
0165010	Fe/CuNi	IEC-JX	PVC-PVC	24 x 1.5	19.0	555
0156010	NiCr/Ni	DIN-KCA	PVC-PVC	24 x 1.5	19.0	555
0166010	NiCr/Ni	IEC-KCA	PVC-PVC	24 x 1.5	19.0	555