Extension- and compensating cables, multi-paired

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

- Version SY - Armoured against mechanical loadsVersion ST - Screened against electro- magnetical interference

RoHS

Product description

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 verison 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

Core identification code	From 4 cores in pairs with consecutively marked numbers (1-1, 2-2, 3-3, 4-4...)
Classification	ETIM 5.0 Class-ID: EC000838 ETIM 5.0 Class-Description: Thermocouple cable
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 +70°C Fixed installation: -40°C to +80°C