

1161014	Data sheet	
Valid from: 12.02.2025	Thermocouple cable J GL-GL-S Fe/CuNi 2x0.35 IEC	

Application

The thermocouple cable J GL-GL-S Fe/CuNi 2x0.35 mm² is a glass silk wrapped thermocouple cable type J, which transmits the thermoelectric voltage of Fe/CuNi-thermocouples. It is for flexible use and fixed installation in dry rooms. They may only be installed outdoors with UV-protection and in observation of the maximum permitted temperature range.

Design

Conductor	0,35 mm ² (11 x 0,20 mm)
Conductor material	J alloys, according to IEC 60584-1 Positive conductor: Fe (Iron) Negative conductor: CuNi (Cupronickel)
Core insulation	Glass silk
Core identification	Positive conductor: black Negative conductor: white
Core layering	Cores twisted together
Outer braid	Braid made of glass silk, with black tracer yarn
Armouring	Protective braid made of galvanized steel wires

Electrical properties

Limiting deviation	±2,5°C (acc. to IEC 60584-1)
Thermocouple tolerances	-40°C up to 750°C (acc. to IEC 60584-1)
Test voltage	500 V

Mechanical and thermal properties

Minimum bending radius	occasionally flexing: 15 x cable diameter fixed installation: 7,5 x cable diameter
Temperature range	occasionally flexing: -25°C up to +350°C fixed installation: -50°C up to +400°C

AbN
automation

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