



GLASS FIBER HIGH-TEMPERATURE THERMOCOUPLE CABLE

IEC 60584-3 / ANSI MC96.1

12 orderable sizes

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|---|---|--|
| STANDARD IEC 60584-3 / ANSI MC96.1 | VOLTAGE CLASS Instrumentation signal circuit | TEMPERATURE CLASS Up to +480 °C continuous route guide |
| CONDUCTOR 1/0.2 mm solid / 32 AWG, 1/0.3 mm solid / 28 AWG, 1/0.5 mm solid / 24 AWG, 7/0.2 mm stranded / 24 AWG | INSULATION / JACKET Varnished glass fiber braid | |

Construction

- 1 ■ **Conductor (per core)** – Positive NiCr / negative NiAl · 1 × Ø0.5 mm
- 2 ■ **Pair insulation** – Glass fiber insulated conductors with glass fiber outer braid · Wall Glass fiber insulated conductors with glass fiber outer braid mm
- 3 ■ **Filler** – Bedding / filler
- 4 ■ **Sheath** – Varnished glass fiber braid

Size selection — all available cross-sections

| Cable reference | Thermocouple type | Cable grade | Pair layout | Conductor construction | Alloy combination | Insulation / sheath | Screen / protection | Temperature range | Tolerance class | OD guide |
|---|-------------------|-----------------|-------------|----------------------------|-------------------------------|---|---|--------------------------------------|--------------------------------------|----------|
| Glass fiber high temperature thermocouple cable KX 1 pair 1/0.2 mm solid / 32 AWG | KX | Extension grade | 1 pair | 1/0.2 mm solid / 32 AWG | Positive NiCr / negative NiAl | Glass fiber insulated conductors with glass fiber outer braid | Screen-free flat or twisted high-temperature pair | Up to +480 °C continuous route guide | IEC 60584-3 Class 1 / Class 2 option | 8.7 mm |
| Glass fiber high temperature thermocouple cable KX 1 pair 1/0.3 mm solid / 28 AWG | KX | Extension grade | 1 pair | 1/0.3 mm solid / 28 AWG | Positive NiCr / negative NiAl | Glass fiber insulated conductors with glass fiber outer braid | Screen-free flat or twisted high-temperature pair | Up to +480 °C continuous route guide | IEC 60584-3 Class 1 / Class 2 option | 8.8 mm |
| Glass fiber high temperature thermocouple cable KX 1 pair 1/0.5 mm solid / 24 AWG | KX | Extension grade | 1 pair | 1/0.5 mm solid / 24 AWG | Positive NiCr / negative NiAl | Glass fiber insulated conductors with glass fiber outer braid | Screen-free flat or twisted high-temperature pair | Up to +480 °C continuous route guide | IEC 60584-3 Class 1 / Class 2 option | 9.0 mm |
| Glass fiber high temperature thermocouple cable KX 1 pair 7/0.2 mm stranded / 24 AWG | KX | Extension grade | 1 pair | 7/0.2 mm stranded / 24 AWG | Positive NiCr / negative NiAl | Glass fiber insulated conductors with glass fiber outer braid | Screen-free flat or twisted high-temperature pair | Up to +480 °C continuous route guide | IEC 60584-3 Class 1 / Class 2 option | 9.2 mm |

| Cable reference | Thermocouple type | Cable grade | Pair layout | Conductor construction | Alloy combination | Insulation / sheath | Screen / protection | Temperature range | Tolerance class | OD guide |
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| Glass fiber high temperature thermocouple cable JX 1 pair 1/0.2 mm solid / 32 AWG | JX | Extension grade | 1 pair | 1/0.2 mm solid / 32 AWG | Positive iron / negative constantan | Glass fiber insulated conductors with glass fiber outer braid | Screen-free flat or twisted high-temperature pair | Up to +480 °C continuous route guide | IEC 60584-3 Class 1 / Class 2 option | 8.7 mm |
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| Glass fiber high temperature thermocouple cable TX 1 pair 1/0.2 mm solid / 32 AWG | TX | Extension grade | 1 pair | 1/0.2 mm solid / 32 AWG | Positive copper / negative constantan | Glass fiber insulated conductors with glass fiber outer braid | Screen-free flat or twisted high-temperature pair | Up to +480 °C continuous route guide | IEC 60584-3 Class 1 / Class 2 option | 8.7 mm |
| Glass fiber high temperature thermocouple cable TX 1 pair 1/0.3 mm solid / 28 AWG | TX | Extension grade | 1 pair | 1/0.3 mm solid / 28 AWG | Positive copper / negative constantan | Glass fiber insulated conductors with glass fiber outer braid | Screen-free flat or twisted high-temperature pair | Up to +480 °C continuous route guide | IEC 60584-3 Class 1 / Class 2 option | 8.8 mm |
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