**Thermocouple & Copper Cable – Product Summary**

Fast delivery of custom multi-pair thermocouple and instrumentation cables

**Instrumentation Cable 600 Volt PVC/Nylon**

194°F

Flame retardant polyvinyl chloride (PVC) and Nylon insulation over conductors twisted into shielded pairs. Pairs are cabled together with an overall shield and PVC jacket. UL listed TC rated 600 volt. Available with thermocouple or copper conductors. Overall shield only construction is also available. TPE or XLPE insulation and TPE or CPE jackets are available.

**Control Cable 600 Volt PVC/Nylon**

194°F

Flame retardant polyvinyl chloride (PVC) and Nylon insulation over conductors all cabled together under a PVC jacket. UL listed TC rated 600 volt. Cable available shielded and non-shielded. TPE or XLPE insulation and TPE or CPE jackets are available.

**Shielded Pair & Overall Shield 300 or 600 Volt XLPE**

194°F

Flame retardant crosslinked polyethylene (XLPE) insulation over conductors twisted into shielded pairs. Pairs are cabled together with an overall shield and PVC Jacket. Constructions is UL listed PLTC or ITC rated 300 or UL listed TC 600 volt. Available with thermocouple extension or copper conductors. CPE jackets are also available. Overall shield only construction is also available.

**Shielded Pair & Overall Shield 300 Volt FEP**

400°F

Flame retardant extruded fluoropolymer (FEP) insulation over conductors twisted into shielded pairs. Pairs are cabled together with an overall shield and FEP jacket. Construction is UL listed PLTC or ITC rated 300 volt. Available with thermocouple extension or copper conductors. Overall shielded construction is also available.

TE Wire & Cable is an ISO 9001:2008 certified company. Many TE Wire & Cable products are certified to conform to national and international standards including – UL 13 PLTC, UL 1277 TC, UL 2250 ITC, IEEE 383 Flame test, NEC Article 725, NEC Article 336, ANSI MC 96.1, ASTM E 230, CSA C22.2 No. 239 Type CIC and many more. TE Wire & Cable’s calibration laboratory is ISO/IEC 17025: 2005 accredited.
**Thermocouple & Copper Cable**

**Fast delivery of custom multi-pair thermocouple and instrumentation cables**

Rugged and reliable thermocouple and instrumentation cables are available with overall shield (OS) or shielded pair with overall shield (SPOS).

**Overall Shield 300 Volt PVC**

221°F

Flame retardant polyvinyl chloride (PVC) insulation over conductors twisted into pairs. Pairs are cabled together with an overall shield and PVC overall jacket. Construction is UL listed PLTC or ITC rated 300 volt. Available with thermocouple extension or copper conductors. TPE or XLPE insulation and TPE or CPE jackets are available.

**Shielded Pair & Overall Shield 300 Volt PVC**

221°F

Flame retardant polyvinyl chloride (PVC) insulation over conductors twisted into pairs. Pairs are cabled together with an overall shield and PVC jacket. Construction is UL listed PLTC or ITC rated 300 volt. Available with thermocouple extension or copper conductors. TPE or XLPE insulation and TPE or CPE jackets are available.

**Served Wire Steel Armor 300 Volt PVC**

221°F

Flame retardant polyvinyl chloride (PVC) insulation over conductors twisted into shielded pairs. Pairs are cabled together with an overall shield and PVC inner jacket. Galvanized steel served wire armor is helically applied and an overall PVC jacket completes the construction. UL listed PLTC or ITC rated 300 volt. This construction features excellent mechanical protection and tensile strength as well as exceptional resistance to rodent and mechanical abuse. Available with thermocouple extension or copper conductors. **Overall shield only construction is also available**, TPE or XLPE insulation, and TPE or CPE jackets are available.

**Metal Bond Tape 300 Volt PVC**

221°F

Flame retardant polyvinyl chloride (PVC) insulation over conductors twisted into shielded pairs. Pairs are cable together with an overall shield and inner PVC jacket. A continuously bonded aluminum composite is applied longitudinally with an overall CPE jacket bonded to the tape. This construction offers excellent moisture and chemical resistance as well as exceptional mechanical strength and is UL listed PLTC or ITC related 300 volt. Overall shield only construction is available. TPE or XLPE insulation and TPE or CPE jackets are available.

For assistance in specifying multi-pair cables for your unique application, or to place an order, contact your sales representative, or call TE Wire & Cable directly, 888-4TE-WIRE, international, call 201-845-9400.