

AccuClave® - X

Autoclave Extension Cable Assembly

Save time & money with AccuClave®-X reusable thermocouple extension cable assembly

The most trusted name in thermocouple wire since 1941



Product Features

Temperatures up to 260°C/500°F

- Save labor and time during autoclave lay-up, and load and unload cycles when matched with TE Wire & Cable's disposable AccuClave® thermocouple assemblies.
- Rugged **AccuClave®-X Extension Cables** bridge the long runs between thermocouples and instrumentation or jack panels. They remain in place in the autoclave, and can be used time and time again.
- Rugged and flexible for repeated use of 50 times or more.
- Ready to use and pre-assembled/tested.
- Savings on replacing long length thermocouples pays back the cost of the **AccuClave®-X Extension Cables** in only a few curing cycles.
- Ready to use, matched **AccuClave®** and **AccuClave®-X** assemblies assure accuracy, performance and reliability for higher autoclave yields.
- **AccuClave®-X Extension Cables** can now be conveniently traced to their calibration data and manufacturing information. For **TRAC AccuClave Tracking**, visit traclookup.tewire.com

Product Specifications

- Standed thermocouple wire conductors per ASTM E20/E230 M & ANSI 96.1
- Rugged construction of stranded wire (for flexibility), braided fiberglass jacket, and clear fluoropolymer FEP or PFA outer jacket
- Flame retarded extruded FEP or PFA insulation
- Conforms to ASTM E230/E230 M, IEC 584, ANSI MC 96.1 and BAC 5621
- Traceability code (TRAC) permanently laser etched on connector
- Operating temperature -200°C/-328°F to +200°C/+400°F continuous with FEP insulation; -200°C/-328°F to +260°C/+500°F continuous with PFA insulation

Applications

- Autoclaves
- Composites
- Food, drug, biotech
- Environmental chambers



Available Options

- J, K and T calibration, Class 1 Special Limits
- Standard lengths of 3.0, 6.1, and 9.1 meters (10, 20, and 30 feet)
- Male-to-female (standard) or male-to-male and female-to-female (available)



888-4TE-WIRE
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TE Wire & Cable

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(888-483-9473) toll free
201-845-9400 international

AccuClave® Jacket	Gauge	Calibration	Standard Lengths
FEP (TE/D) or PFA (HTE/D)	24 AWG	J, K & T Class I / Special Limits	0.9m (3 feet), 4.6m (15 feet), 9.1m (30 feet)
FEP (TE/D) or PFA (HTE/D)	28 AWG	J, K & T Class I / Special Limits	0.9m (3 feet), 4.6m (15 feet), 9.1m (30 feet)

AccuClave® Series Standard Products

AccuClave®-X Extension Cable products are available in lengths of 10, 20 and 30 feet. Standard products lists are available from TE Wire & Cable, your TE Wire & Cable representative, or check our web site www.tewire.com. Many **AccuClave®** standard products are available for immediate shipment from stock.

About TE Wire & Cable's AccuClave® and AccuClave®-X System

AccuClave®-X Autoclave Extension Cable Assemblies provide a major advantage when used in autoclave and other applications where long runs and multiple thermocouples are required. This rugged cable, with heavyduty mechanical connectors on both ends, spans the wire run between instrumentation systems and thermocouples. When required, the thermocouple can be unplugged, thrown away and replaced - no need to replace the **AccuClave®-X** Extension Cable. In doing so you spend less time, less in materials, and have less down time.

AccuClave® Autoclave Thermocouple Assemblies, the companion product of **AccuClave®-X**, feature a connector plug molded on to a single extrusion FEP or PFA thermocouple wire with an exposed, twisted and welded junction on the opposite end. TE Wire & Cable's patented technology eliminates leaks, loose connections and reverse polarity. **AccuClave®** assemblies are calibrated, tested, preassembled and ready to use. BAC 5621 compliant. Temperature is rated for up to 500°F (PFA) and 400°F (FEP). Available in J or K Class 1 or custom calibration. (See the AccuClave® Product sheet for more information).

AccuClave®-X Extension Cables used with **AccuClave® Thermocouple Assemblies** guarantee accuracy and reliability in autoclave and other applications.

Traceable Records



All **AccuClave®** and **AccuClave®-X** products have a traceability code permanently etched on their connectors. To retrieve information regarding a specific product, visit www.tewire.com and click on **TRAC**, located on page headers. Enter the 8-character **TRAC** code appearing on your connector. Correction factor calibration data will appear for each temperature for which the wire was calibrated. In addition you will be able to determine the part number, product description, calibration date, production date, and the TE Wire & Cable manufacturing work order code.

AccuClave® Technical Information

Initial calibration tolerances per ANSI MC96.1 / ASTM E230

TC Wire	Grade Designation	Grade Limits*
J	JJ (Class I)	±1.1°C (2.0°F) or ±0.4%
K	KK (Class I)	±1.1°C (2.0°F) or ±0.4%
T	TT (Class I)	±0.5°C (0.9°F) or ±0.4%

* whichever is greater

Nominal Wire Dimensions

Conductor Size		Insulation		Outer Diameter	
AWG	MM	In.	MM	Inches	MM
24	0.51	0.10	.25	.040 x .080	1.0 x 2.0
28	0.32	0.10	.25	.032 x .066	.81 x 1.7

TE Wire & Cable is an ISO 9001:2015 Certified company.

TE Wire & Cable's calibration laboratory is ISO/IEC 17025:2005 accredited by A2LA.

AccuClave® is a registered trademark of TE Wire & Cable, LLC.

Many TE Wire & Cable products are certified to conform to national and international standards including: ANSI MC96.1; ASTM E230/E230 M, Boeing BAC5621; GE ST2155; AMS 2750 D; MIL STD 45662A; MIL STD 105, IEC-584 and many others.

Note: Minimum order quantities may apply to custom orders.

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