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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
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We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

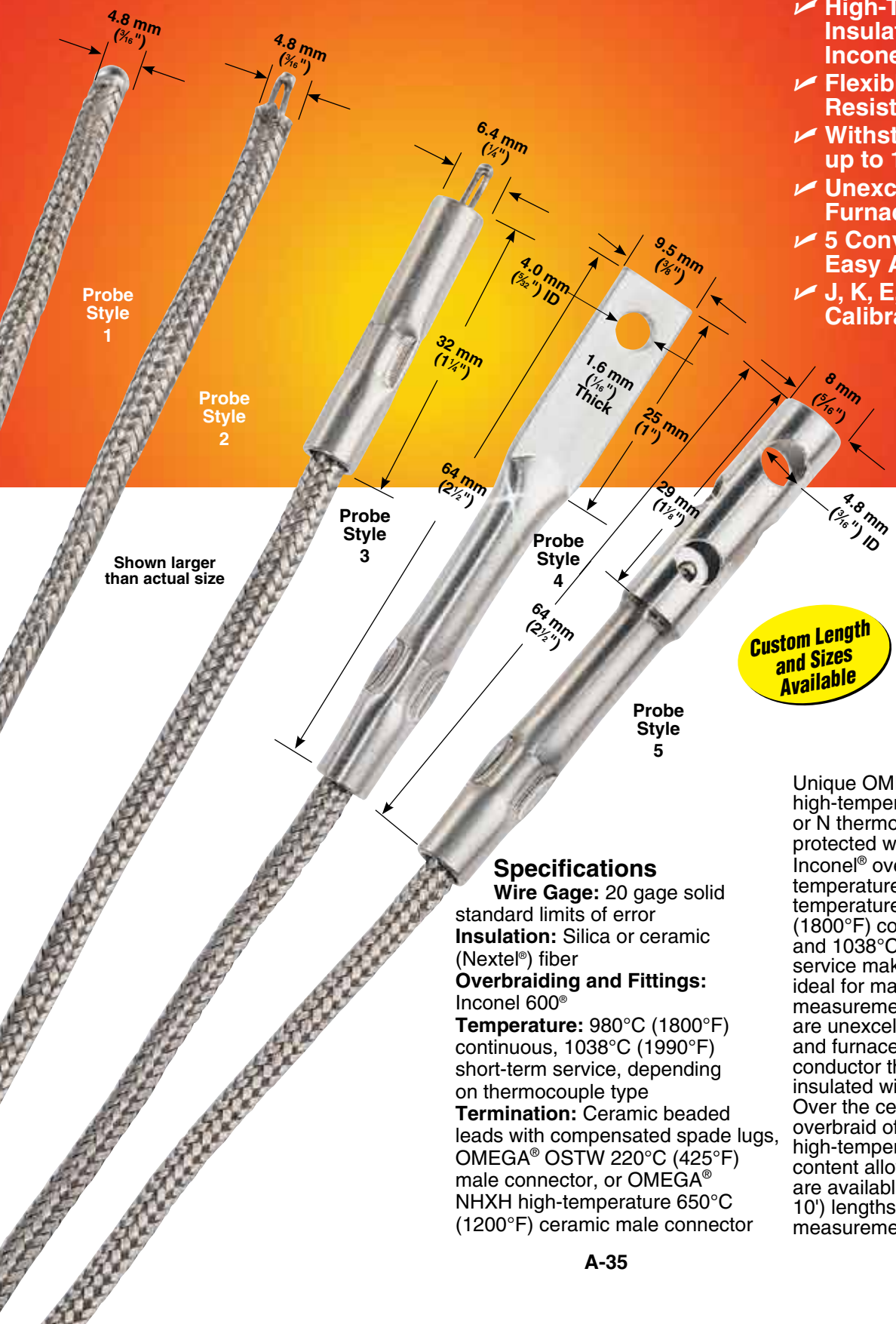
- Critical and expedited services
- In stock / Ready-to-ship
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Expert team | Trust guarantee | 100% satisfaction

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High-Temperature Inconel® Overbraided Silica Fiber Insulated Thermocouples



- High-Temperature Insulation with Inconel Overbraid
- Flexible, Abrasion Resistant
- Withstand Temperatures up to 1038°C (1990°F)
- Unexcelled Oven and Furnace Profiling
- 5 Convenient Styles for Easy Application
- J, K, E, or N Thermocouple Calibrations

Custom Length and Sizes Available

XCIB Series

Specifications

Wire Gage: 20 gage solid standard limits of error
Insulation: Silica or ceramic (Nextel®) fiber
Overbraiding and Fittings: Inconel 600®
Temperature: 980°C (1800°F) continuous, 1038°C (1990°F) short-term service, depending on thermocouple type
Termination: Ceramic beaded leads with compensated spade lugs, OMEGA® OSTW 220°C (425°F) male connector, or OMEGA® NHXH high-temperature 650°C (1200°F) ceramic male connector

Unique OMEGA family of high-temperature Types J, K, E, or N thermocouples are double-protected with abrasion-resistant Inconel® overbraid with high-temperature fiber insulation. A temperature rating of up to 980°C (1800°F) continuous service and 1038°C (1990°F) short-term service makes these products ideal for many high-temperature measurement applications. They are unexcelled for profiling ovens and furnaces. The 20-gage solid conductor thermocouple wires are insulated with braided ceramic fiber. Over the ceramic fiber is a rugged overbraid of Inconel 600—a tough, high-temperature, high nickel-content alloy.Five convenient styles are available in 1 and 3 m (3 and 10') lengths for high-temperature measurement applications.



Style 1
Style 1 is a grounded junction thermocouple with the Inconel overbraid welded to form a smooth rounded tip for all general purpose applications.



Style 2
Style 2 is a general purpose, bead welded, exposed junction thermocouple.



Style 3
Style 3 is an exposed, bead welded junction thermocouple with an Inconel collar to clamp the probe to a surface, or to secure it into a hole or any fabrication.



Style 4
Style 4 is grounded. It can be bolted to a surface, or the Inconel eye can hook the thermocouple to a conveyor flight. Ungrounded units and special hole sites are available. Contact Sales department for more information.



Style 5
Style 5 has an Inconel air hood to protect the exposed beaded wire junction. This design can be clamped to a surface, hooked to a conveyor flight, or bolted to a surface by using the through hole at the open end of the hood.



To Order *Visit omega.com/xcib for Pricing and Details*

Model No.	Probe Style	Termination Type	Model No.	Probe Style	Termination Type
XCIB-(*)-1-1-(**)	1	1	XCIB-(*)-4-1-(**)	4	1
XCIB-(*)-1-2-(**)		2	XCIB-(*)-4-2-(**)		2
XCIB-(*)-1-3-(**)		3	XCIB-(*)-4-3-(**)		3
XCIB-(*)-1-4-(**)		4	XCIB-(*)-4-4-(**)		4
XCIB-(*)-1-5-(**)		5	XCIB--(*)-4-5-(**)		5
XCIB-(*)-1-6-(**)		6	XCIB--(*)-4-6-(**)		6
XCIB-(*)-1-7-(**)		7	XCIB--(*)-4-7-(**)		7
XCIB-(*)-2-1-(**)	2	1	XCIB-(*)-5-1-(**)	5	1
XCIB-(*)-2-2-(**)		2	XCIB-(*)-5-2-(**)		2
XCIB-(*)-2-3-(**)		3	XCIB-(*)-5-3-(**)		3
XCIB-(*)-2-4-(**)		4	XCIB-(*)-5-4-(**)		4
XCIB-(*)-2-5-(**)		5	XCIB-(*)-5-5-(**)		5
XCIB-(*)-2-6-(**)		6	XCIB-(*)-5-6-(**)		6
XCIB-(*)-2-7-(**)		7	XCIB-(*)-5-7-(**)		7
XCIB-(*)-3-1-(**)	3	1			
XCIB-(*)-3-2-(**)		2			
XCIB-(*)-3-3-(**)		3			
XCIB-(*)-3-4-(**)		4			
XCIB-(*)-3-5-(**)		5			
XCIB-(*)-3-6-(**)		6			
XCIB-(*)-3-7-(**)		7			

***** *Specify thermocouple Type: J: Iron-Constantan, K: CHROMEGA®-ALOMEGA®, E: CHROMEGA®-Constantan, N: OMEGALLOY®-NICROSIL-NISIL*

*Use prefix of "**CAL-**" for assemblies to be supplied with calibration data at specified temperatures. Check Sales department for pricing.*

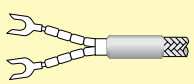
****** *Specify length in feet: **3'** or **10'** standard. Price per additional 1', up to over 50' is additional.*

***Note:** Available with Nextel insulation. Change **"XCIB"** in model number to **"XSIB"**. No extra charge.*

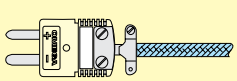
*For a male straight M8 plug add **"M8-S-M"** to the model number and additional cost to the price, for a male straight M12 plug add **"M12-S-M"** to the model number and additional cost to the price. For a male right-angled M8 plug add **"M8-R-M"** to the model number and additional cost to the price, for a male right-angled M12 plug add **"M12-S-M"** to the model number and additional cost to the price.*

***Ordering Example: XCIB-K-1-3-10,** XCIB Type K probe, probe style 1 with termination Type 3 m (10') length.*

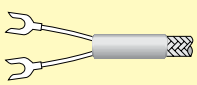
Termination Types



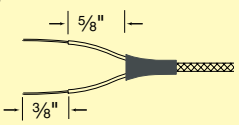
1. Ceramic beaded leads with compensated spade lugs.



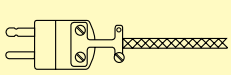
2. Type OSTW male standard thermocouple connector to 220°C (425°F).
3. Type NHXH male ceramic connector to 650°C (1200°F).



4. Nextel® insulated leads with compensated spade lugs.



5. Stripped leads.



6. SMPW mini-male connector to 220°C (425°F) max.
7. SHX mini-male ceramic connector to 650°C (1200°F) max.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

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We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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