

# Glazed Ceramic Ultra High Temperature Standard Connectors

## Ceramic Rated to 650°C (1200°F)



- ✓ Solid Pin Construction
- ✓ Combination Phillips/Slot Screws

For High Temperature Thermocouple Probes, visit [newportUS.com](http://newportUS.com)

**Solid Pin Construction**

Available with a color-coded glaze (NOX) or unglazed white (UOX), these ceramic connectors conform to ANSI and NEWPORT standards. UOX connectors should be used when glazed ceramic or nylon connectors would contaminate vacuum systems. Temperature is limited only by the hardware. CHROME<sup>®</sup>-ALOMEGA<sup>®</sup>, Iron-Constantan and CHROME<sup>®</sup>-Constantan can be used at temperatures up to 650°C (1200°F) and Copper-Constantan can be used accurately over its entire calibration range of 400°C (752°F). Noble metal and refractory metal calibrations are limited by the compensating alloys to ambient use of 260°C (500°F). Accuracies may exceed limits of error if a temperature gradient exists across the connector.

### Accessories for NOX and UOX

Cable Clamps, Order: **PCLM**.

Panel Adaptors, Order: **XACL**.

Tube Clamps – Single Element

Order: **X-BRLK**.

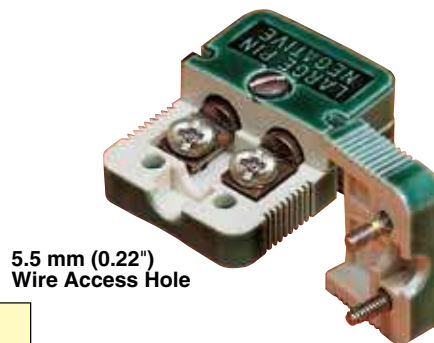
Tube Clamps – Dual Element

Order: **DX-BRLK**, visit [newportUS.com](http://newportUS.com)

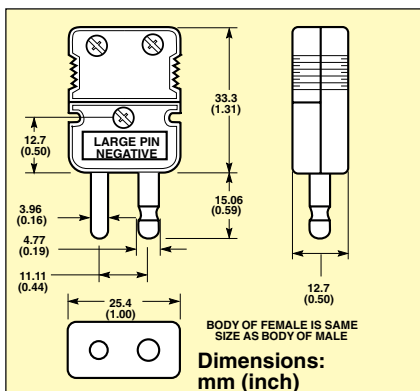
### NOX/UOX Series



**Exclusive Split Shell Design Simplifies Wiring!**



**5.5 mm (0.22") Wire Access Hole**



**Dimensions:**  
mm (inch)

### Discount Schedule

1-10.....	Net
11-49.....	5%
50-99.....	10%
100-999.....	15%
1000-4999.....	20%
5000 and over.....	25%

**We make running changes when technical advances allow. Check at time of ordering for additional features.**

### To Order Visit [newportUS.com/NOX\\_U](http://newportUS.com/NOX_U) for Pricing and Details

Alloy Code†	Type of Thermocouple Used With Connector	Compensating Alloy Used in Connector		Color Code	Model Number Pair*
		+	-		
<b>K</b>	CHROME <sup>®</sup> -ALOMEGA <sup>®</sup>	CHROME <sup>®</sup>	ALOMEGA <sup>®</sup>	Yellow	<b>NOX-K-(* )</b>
<b>T</b>	Copper-Constantan	Copper	Constantan	Blue	<b>NOX-T-(* )</b>
<b>J</b>	Iron-Constantan	Iron	Constantan	Black	<b>NOX-J-(* )</b>
<b>E</b>	CHROME <sup>®</sup> -Constantan	CHROME <sup>®</sup>	Constantan	Purple	<b>NOX-E-(* )</b>
<b>R/S</b>	Pt-Pt/13%Rh	Copper	RNX/SNX	Green	<b>NOX-R/S-(* )</b>
<b>G</b>	W-W/26%Re	GPX	GNX	Red/Grn	<b>NOX-G-(* )</b>
<b>C</b>	W/5%Re-W/26%Re	CPX	CNX	Red	<b>NOX-C-(* )</b>
<b>D</b>	W/3%Re-W/25%Re	DPX	DNX	Red/Wht	<b>NOX-D-(* )</b>
<b>U</b>	Uncompensated	Copper	Copper	White	<b>NOX-U-(* )</b>
<b>N</b>	OMEGALLOY <sup>®</sup>	OMEGA-P <sup>®</sup>	OMEGA-N <sup>®</sup>	Orange	<b>NOX-N-(* )</b>

† K, T, J, E, R, S and B are ANSI designations.

\* To order, specify "MF" for connector pair, "M" for male connector only, or "F" for female connector only.

To order **unglazed** white shells, replace "NOX" with "UOX" in the model designation, no additional cost.

**Note:** OMEGALLOY<sup>®</sup>, Type N is generically known as Nicrosil-Nisil.

**Note:** Type U (Uncompensated) connectors are used with type B thermocouples (Platinum/6% Rhodium-Platinum/30% Rhodium).

**Ordering Examples:** NOX-K-MF, CHROME<sup>®</sup>-ALOMEGA<sup>®</sup>, ceramic connector pair.

NOX-K-M, CHROME<sup>®</sup>-ALOMEGA<sup>®</sup>, ceramic male connector.