



Product: <u>UE1601BW</u> ☑

Type EX Thermocouple, 1 Pr #16 Sol, XLPE Ins Pur, Red, OS, Purple LSZH Jkt, 600V TC 90C Dry/Wet SUN RES

## **Product Description**

Type EX Thermocouple, 1 Pair 16AWG (Solid) Chromel+Constantan, XLPE Insulation Pur, Red Color Code, Overall Beldfoil® Shield, Purple LSZH Outer Jacket, 600V TC 90C Dry/Wet SUN RES

## **Technical Specifications**

#### **Product Overview**

Suitable Applications:	Industrial Control, Raceways Cable trays and ducts, Digital Control, Instruments (4-20ma, 0-10v,), low voltage digital control (24v,), encoders, control circuits, distributed
	control system (DCS),programmable logic controller (PLC), Solenoids, Valves, Actuators, Positioners

#### **Physical Characteristics (Overall)**

#### Conductor

Element	AWG	Stranding	Material	No. of Pairs
Pair(s)	16	Solid	Chromel & Constantan	1
Conducto	or Count	:	2	

#### Insulation

Element	Material	Nominal Diameter
Pair(s)	XLP, XLPO, XLPE (Thermoset)	0.324 in

## Color Chart



#### Outer Shield

Type	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Beldfoil®	100%	TC - Tinned Copper	18 AWG

#### **Outer Jacket**

Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.324 in	0.047 in

## **Electrical Characteristics**

#### Voltage

UL Voltage Rating 600 V RMS

## **Temperature Range**

UL Temp Rating:	90°C Dry, 90°C Wet
Operating Temperature Range:	-25°C To +90°C

## **Mechanical Characteristics**

UV Resistance:	Yes
Min Bend Radius (Overall):	2.6 in

#### **Standards**

NEC/(UL) Compliance:	TC
ANSI Compliance:	MC 96.1-1982 Type EX

#### **Applicable Environmental and Other Programs**

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

#### Suitability

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

## Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 Vertical Tray Flame Test
IEEE Flammability:	IEEE 1202
UL voltage rating:	600 V RMS (Type TC)

# History

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