BELDEN

IMAGE COMING SOON

Product: UK16044W ↗

Type KX Thermocouple, 4 Pr #16 Sol, XLPE Ins Yel, Red, IS/OS, Yel LSZH Jkt, 600V TC 90C Dry/Wet SUN RES

Product Description

Type KX Thermocouple, 4 Pair 16AWG (Solid) Chromel+Alumel, XLPE Insulation Yel, Red Color Code, Individual & Overall Beldfoil® Shield, Yellow 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	Nominal Diameter	No. of Pairs
Pair(s)	16	Solid	Chromel & Alumel	0.051 in	4

Conductor Count:	8

Insulation

Element	Material	Nominal Diameter	Nominal Wall Thickness
Pair(s)	XLP, XLPO, XLPE (Thermoset)	0.113 in	0.031 in

Color Chart

Number	Color
Pair 1	Red and Yellow Numbered 1
Pair 2	Red and Yellow Numbered 2
Pair 3	Red and Yellow Numbered 3
Pair 4	Red and Yellow Numbered 4

Inner Shield

Type	Material	Material Trade Name	Coverage [%]
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.648 in	0.063 in

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	240 lbs/1000ft
Min Bend Radius (Overall):	6.5 in

Standards

NEC Articles:	Article 336

NEC/(UL) Compliance:	TC
ANSI Compliance:	MC 96.1-1982 Type KX
IEEE Compliance:	1202

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
CA Prop 65:	Yes

Suitability

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

Flammability, LS0H, Toxicity Testing

IEEE Flammability:	IEEE 1202 FT4
UL voltage rating:	600 V RMS (Type TC)

Related Part Numbers

Variants

Item #	Put-Up Type
UK16044W0044000	Reel

History

Update and Revision:	Revision Number: 0.52 Revision Date: 02-03-2025