Belden



Product: 1023AE

Type TX Thermocouple, 1 Pr #16 Sol, PVC-Nylon Ins Blu, Red, OS, Blue PVC Jkt, 300V PLTC-ER ITC CMG

Product Description

Type TX Thermocouple, 1 Pair 16AWG (Solid) OFHC+Constantan, PVC-Nylon Insulation Blu, Red Color Code, Overall Beldfoil® Shield, Blue PVC Outer Jacket, PLTC-ER ITC-ER CMG AWM 2464 SUN RES DIR BUR

Technical Specifications

Product Overview

Suitable Applications:	Exposed Runs, Hazardous Locations,PLC,4-20ma

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	16	Solid	Copper & Constantan

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter
Pair(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.019 in (0.48 mm)	0.101 in (2.57 mm)

Outer Jacket

Nom. Thickness	Nom. Diameter	Ripcord
0.040 in (1.0 mm)	0.304 in (7.72 mm)	Yes

Electrical Characteristics

Voltage

UL Voltage Rating
300 V RMS (PLTC)

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-30°C To +105°C

Bulk Cable Weight:	38 lbs/1000 ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL1685 FT4 Loading
NEC / UL Compliance:	CMG, ITC, PLTC
CEC / C(UL) Compliance:	CMG
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	Alternate color coding available upon request.

History

Update and Revision:	Revision Number: 0.52 Revision Date: 10-30-2026

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