Belden



Product: 1101AE

Type EX Thermocouple, 1 Pr #16 Sol, PVC-Nylon Ins E1 Pur, Red, OS, Purple PVC Jkt, 300V PLTC-ER ITC CMG

Product Description

Type EX Thermocouple, 1 Pair 16AWG (Solid) Chromel+Constantan, PVC-Nylon Ins E1 Pur, Red Color Code, Overall Beldfoil® Shield, Purple 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	Chromel & Constantan

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter
Pair(s)	PVC - Polyvinyl Chloride	0.021 in (0.53 mm)	0.093 in (2.4 mm)

Outer Jacket

Nom. Thickness	Nom. Diameter	Ripcord
0.042 in (1.1 mm)	0.304 in (7.72 mm)	Yes

Electrical Characteristics

Voltage

UL Voltage Rating
300 V RMS (PLTC) (PLTC), 300 V RMS (CMG) (CMG)

Mechanical Characteristics

Temperature

Operating
-30°C To +105°C

Max. Pull Tension:	40 lbs (18 kg)
Bulk Cable Weight:	41 lbs/1000ft (61 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
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: 0.48 Revision Date: 10-30-2026

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