

Product: 1493AE

Inst, 4 Pr #16+22 Str BC, PVC-Nylon Ins E1, IS/OS, Blk PVC Jkt, 300V PLTC-ER ITC CMG

Product Description

UL Instrumentation, 4 Pair 16+22AWG (7x24+7x30) Bare Copper, PVC-Nylon Insulation E1 Color Code, Individual & Overall Beldfoil® Shield, Black 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
Conductor(s)	8	16	7x24	BC - Bare Copper
Comm Wire(s)	1	22 AWG	7x30	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.017 in (0.43 mm)	0.091 in (2.3 mm)	Black & White and Numbered 1, Black & White and Numbered 2, Black & White and Numbered 3, Black & White and Numbered 4, Orange (Communication Wire)
Comm Wire(s)	PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.066 in (1.7 mm)	Orange

Inner Shield

Element	Shield Type	Material	Coverage
	Tape	Bi-Laminate (Alum+Poly)	100%
Comm Wire(s)	No Shield		

Outer Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.053 in (1.3 mm)	0.678 in (17.2 mm)	Yes

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR
	4.2 Ohm/1000ft (14 Ohm/km)
Comm Wire(s)	

Voltage

UL Voltage Rating
300 V RMS (PLTC)

Mechanical Characteristics

Temperature

Operating
-30°C To +105°C

Max. Pull Tension:	162 lbs (73.5 kg)
Bulk Cable Weight:	221 lbs/1000ft (329 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance, Burial
Flammability / Reaction to Fire:	UL 1685 UL Loading
NEC / UL Compliance:	CMG, PLTC-ER, ITC
AWM Compliance:	AWM 2464
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.85 Revision Date: 10-30-2026

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