Belden



Product: 1498AE

Inst, 24 Pr #16+22 Str BC, PVC-Nylon Ins E1, IS/OS, Blk PVC Jkt, 300V PLTC-ER ITC-ER CMG

Product Description

UL Instrumentation, 24 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)	48	16	7x24	BC - Bare Copper
Comm Wire(s)		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, Black & White and Numbered 5, Black & White and Numbered 6, Black & White and Numbered 7, Black & White and Numbered 8, Black & White and Numbered 9, Black & White and Numbered 10, Black & White and Numbered 11, Black & White and Numbered 12, Black & White and Numbered 13, Black & White and Numbered 14, Black & White and Numbered 15, Black & White and Numbered 16, Black & White and Numbered 17, Black & White and Numbered 18, Black & White and Numbered 19, Black & White and Numbered 20, Black & White and Numbered 21, Black & White and Numbered 22, Black & White and Numbered 23, Black & White and Numbered 24, Orange (Communication Wire)
Comm Wire(s)	PVC - Polyvinyl Chloride		0.066 in (1.7 mm)	Orange

Inner Shield

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

Outer Shield

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.080 in (2.0 mm)	1.512 in (38.40 mm)	Yes

Electrical Characteristics

Electricals

Element
Comm Wire(s)

Mechanical Characteristics

Temperature

Operating
-30°C To +105°C

Bulk Cable Weight:	1030 lbs/1000ft (1530 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance, Burial
NEC / UL Compliance:	CMG, PLTC-ER, ITC-ER
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: 0.13 Revision Date: 10-30-2026

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