



**Product:** [1492A](#)

Inst, 2 Pr #16+22 Str BC, PVC Ins E1, IS/OS, Blk PVC Jkt, 300V PLTC-ER ITC-ER CMG

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## Product Description

UL Instrumentation, 2 Pair 16+22AWG (7x24+7x30) Bare Copper, PVC 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

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors	No. of Pairs
16	7x24	BC - Bare Copper		2
22	7x30	BC - Bare Copper	1	

Conductor Count:	5
Total Number of Pairs:	2

#### Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.017 in
PVC - Polyvinyl Chloride	0.019 in

#### Color Chart

Number	Color
1	Black & White and Numbered
2	Black & White and Numbered
3	Orange

#### Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	18	7x26

#### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	16	7x24

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.467 in	0.053 in	Yes

### Electrical Characteristics

#### Conductor DCR

Element	Individual Pair Nominal Shield DCR	Nominal Conductor DCR	Nominal Outer Shield DCR
16 AWG	5.07 Ohm/1000ft	3.67 Ohm/1000ft	3.3 Ohm/1000ft
22 AWG		14.7 Ohm/1000ft	

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield

60 pF/ft	110 pF/ft
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## Voltage

<b>UL Voltage Rating</b>
300 V RMS

## Temperature Range

UL Temp Rating:	105°C
Operating Temp Range:	-30°C To +105°C

## Mechanical Characteristics

Bulk Cable Weight:	161 lbs/1000ft
Max Recommended Pulling Tension:	232 lbs
Min Bend Radius/Minor Axis:	4.5 in

## Standards

NEC Articles:	800
NEC/(UL) Specification:	CMG, ITC-ER, PLTC-ER
CEC/C(UL) Specification:	CMG
UL AWM Style:	2464

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

## Suitability

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

## Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1685 UL Loading
IEEE Flammability:	1202
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color	Putup Type	Length	UPC
1492A 0107500	Black	Reel	7,500 ft	612825115656

Footnote:	C - CRATE REEL PUT-UP.
Footnote:	Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

## History

Update and Revision:	Revision Number: 0.331 Revision Date: 04-28-2020
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