



Product: [1529A](#)

Inst, 3 Pr #18+1c #22 Str BC, PVC Ins E1, OS, Bk PVC Jkt, 300V PLTC-ER ITC-ER CMG

[Request Sample](#)

Product Description

UL Instrumentation, 3 Pair 18+22AWG (7x26+7x30) Bare Copper, PVC Insulation E1 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, PLTC-ER ITC-ER CMG AWM 2464 SUN RES DIR BUR

Technical Specifications

Product Overview

Suitable Applications:	Industrial Control, Raceways Cable trays and ducts, Digital Control, Instruments (4-20ma, 0-10v, ...), low voltage digital control (24v, ...), encoders, control circuits, distributed control system (DCS), programmable logic controller (PLC), Solenoids, Valves, Actuators, Positioners
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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	3	18 AWG	7x26	BC - Bare Copper
'Stranding@Conductor1'	1	22 AWG	7x30	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	Black, White and Numbered
'Stranding@Conductor1'	PVC - Polyvinyl Chloride	0.019 in (0.48 mm)	Orange

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	18 AWG (7x26) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.053 in (1.3 mm)	0.435 in (11.0 mm)	Yes

Overall Cable Diameter (Nominal):	0.435 in (11.0 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)
Pair(s)	5.86 Ohm/1000ft (19.2 Ohm/km)	35 pF/ft (110 pF/m)	54 pF/ft (180 pF/m)
'Stranding@Conductor1'	14.7 Ohm/1000ft (48.2 Ohm/km)		

Voltage

UL Voltage Rating
300 V (CMG, PLTC-ER, UL AWM 2464), 150 V (ITC-ER)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
4.4 in (110 mm)	4.4 in (110 mm)

Max. Pull Tension:	165 lbs
Bulk Cable Weight:	88 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL1685 (FT4 Loading), FT4, 1202
NEC / UL Compliance:	Article 725, Article 727, Article 800, CMG, PLTC-ER, ITC-ER
AWM Compliance:	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: 0.375 Revision Date: 12-15-2021
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Variants

Item #	Color	Putup Type	Length	UPC
1529A 0107500	Black	Reel	7,500 ft	612825117209

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