



REPRESENTATIVE IMAGE

Product: [1032A](#)

Inst, 1 Pr #18 Str BC, PVC Ins E1, OS, Blk PVC Jkt, 300V PLTC-ER ITC-ER CMG

[Request Sample](#)

Product Description

UL Instrumentation, 1 Pair 18AWG (7x26) Bare Copper, PVC Insulation E1 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, PLTC-ER ITC-ER CMG AWM 2464 SUN RES

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

Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	1	18	7x26	BC - Bare Copper

Insulation

Element	Material	Thickness	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	Black, White

Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

Outer Jacket Material

Material	Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.037 in (0.94 mm)	0.237 in	Yes

Cable Diameter (Nominal): 0.237 in (6.02 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Pair(s)	5.86 Ohm/1000ft (19.2 Ohm/km)	51 pF/ft (170 pF/m)	95 pF/ft (310 pF/m)	8 Amps per conductor @ 25°C
Comm Wire	14.7 Ohm/1000ft (48.2 Ohm/km)			

Nom. Outer Shield DCR: 5.07 Ohm/1000ft

Voltage

UL Voltage Rating

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

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
2.4 in (61 mm)	2.4 in (61 mm)

Max. Pull Tension:	26 lbs (12 kg)
Bulk Cable Weight:	30 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance
Flammability / Fire Resistance:	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 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

History

Update and Revision:	Revision Number: 0.377 Revision Date: 06-08-2021
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