



Part Number: 1036A

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

 [Request Sample](#)

Product Description

UL Instrumentation, 1 Triad 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

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors	No. of Triads
18	7x26	BC - Bare Copper	3	1

Conductor Count:	3
Total Number of Pairs:	N/A
Total Number of Triads:	1
Conductor Size:	18 AWG

Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.021 in

Color Chart

Number	Color
1	Black and White and Red

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	20	7x28 mm

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.266 in	0.037 in	Yes

Construction and Dimensions

Cabling

Filler
Polypropylene Filler

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
5.86 Ohm/1000ft	5.07 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
50 pF/ft

Inductance

Nominal Inductance
0.17 µH/ft

Voltage

UL Description	UL Voltage Rating
PLTC, CMG	300 V RMS
ITC	150 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	53.0 lbs/1000ft
Max Recommended Pulling Tension:	81.2 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC/(UL) Specification:	CMG, ITC-ER, PLTC-ER
CEC/C(UL) Specification:	CMG
UL AWM Style:	UL Style 2464 (300 V 80°C)

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

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

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
CSA Flammability:	FT4
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	UPC	Length	Footnote
1036A 0101000	Black	612825105152	1,000 ft	C
1036A 01010000	Black	612825105169	10,000 ft	C Z
1036A 0105000	Black	612825105176	1,000 ft	C Z
1036A 0061000	Blue, Light	612825105121	1,000 ft	C
1036A 00610000	Blue, Light	612825105138	10,000 ft	C
1036A 0065000	Blue, Light	612825105145	5,000 ft	C Z

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.

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