



**Part Number:** 1036A

300V, (1 triad) 18 AWG (7x26) BC, PVC/PVC, Foil Shld, PLTC-ER, CMG

[Request Sample](#)

## Product Description

One 18 AWG triad stranded (7x26) bare copper conductors, twisted triads, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

## 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

Print Legend: LEGEND: BELDEN 1036A E34972 1TRD18 SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES OR AWM 2464 80C 300V OR C(UL) CMG ----FT4 IEEE 1202 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET

### 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

Shielding: Foil(s) or Copper Tape(s)

## 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, LS0H, 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

## Part Number

### Variants

Item #	Color	Footnote
1036A 0101000	Black	C
1036A 01010000	Black	C Z
1036A 0105000	Black	C Z
1036A 0061000	Blue, Light	C
1036A 00610000	Blue, Light	C
1036A 0065000	Blue, Light	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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