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please call

1-800-Belden1



### General Description:

16 AWG triads stranded (7x24) bare copper conductors, twisted triads, overall Beldfoil shield (100% coverage), PVC insulation, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	# Triads	AWG	Stranding	Conductor Material
1	1	16	7x24	BC - Bare Copper

Total Number of Conductors: 3

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.406

#### Inner Shield

Inner Shield Color Code Chart:

Number	Color
1	Black & Red & White and Numbered

#### Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire	Conductor Material
18	7x26	TC - Tinned Copper	

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.940

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Nominal Diameter: 7.239 mm

#### Pair

Pair Lay Length & Direction:

Twists (twist/m)
6

### Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +105°C

Bulk Cable Weight: 86.762 Kg/Km

Max. Recommended Pulling Tension: 271.340 N

Min. Bend Radius/Minor Axis: 28.956 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG, ITC-ER, PLTC-ER
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2464 (300 V 80°C)
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

### Flame Test

UL Flame Test:	UL1685 FT4 Loading
CSA Flame Test:	FT4
IEEE Flame Test:	1202

### Suitability

Suitability - Burial:	Yes
Sunlight Resistance:	Yes

### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Surface Printing (Overall)

Surface Printing:	LEGEND: BELDEN 1031A E34972 1TRD16 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
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## Electrical Characteristics (Overall)

### Nom. Inductance:

Inductance (µH/m)
0.511836

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
177.502

### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
319.241

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
12.1397

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
16.0769

### Max. Operating Voltage - UL:

Voltage
300 V RMS

## Notes (Overall)

**Notes:** Alternate color coding available upon request.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1031A 0061000	1,000 FT	60.000 LB	BLUE, LIGHT	C	3 #16 PVC FS PVC
1031A 00610000	10,000 FT	600.000 LB	BLUE, LIGHT	C	3 #16 PVC FS PVC
1031A 0101000	1,000 FT	65.000 LB	BLACK	C	3 #16 PVC FS PVC
1031A 01010000	10,000 FT	600.000 LB	BLACK	C Z	3 #16 PVC FS PVC
1031A 0105000	5,000 FT	295.000 LB	BLACK	C Z	3 #16 PVC FS PVC

**Notes:**

C = CRATE REEL PUT-UP.

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

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