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please call

1-800-Belden1



### General Description:

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

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
1	18	7x26	BC - Bare Copper

Total Number of Conductors: 2

#### Insulation

##### Insulation Material:

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

##### Insulation Color Code Chart:

Number	Color
1	Black & White

#### 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
20	7x28	TC - Tinned Copper	

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.9398

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Nominal Diameter: 6.020 mm

### Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 48.367 Kg/Km

Max. Recommended Pulling Tension: 115.653 N

Min. Bend Radius/Minor Axis: 24.130 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG, ITC-ER, PLTC-ER

CEC/C(UL) Specification: CMG

## 1032A Multi-Conductor - 300V Power-Limited Tray Cable

**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 UL Loading

**CSA Flame Test:** FT4

**IEEE Flame Test:** 1202

### Suitability

**Suitability - Burial:** No

**Sunlight Resistance:** Yes

### Plenum/Non-Plenum

**Plenum (Y/N):** No

### Surface Printing (Overall)

**Surface Printing:** LEGEND: BELDEN 1032A E34972 1PR18 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 (Overall)

#### Nom. Inductance:

**Inductance (µH/m)**

0.62339

#### Nom. Capacitance Conductor to Conductor:

**Capacitance (pF/m)**

167.331

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

**Capacitance (pF/m)**

311.695

#### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/km)**

19.2267

#### Nominal Outer Shield DC Resistance:

**DCR @ 20°C (Ohm/km)**

16.6347

#### Max. Operating Voltage - UL:

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

#### Max. Recommended Current:

**Current**

8 Amps per conductor @ 25°C

### Notes (Overall)

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

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1032A 0061000	1,000 FT	32.000 LB	BLUE, LIGHT	C	2 #18 PVC FS PVC
1032A 00610000	10,000 FT	340.000 LB	BLUE, LIGHT	C	2 #18 PVC FS PVC
1032A 0065000	5,000 FT	155.000 LB	BLUE, LIGHT	C Z	2 #18 PVC FS PVC
1032A 0101000	1,000 FT	30.000 LB	BLACK	C	2 #18 PVC FS PVC
1032A 01010000	10,000 FT	360.000 LB	BLACK	C Z	2 #18 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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