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1-800-Belden1



## Description:

24 AWG solid tinned copper conductors, foam FEP insulation, twisted pairs, overall Beldfoil® shield (100% coverage), 24 AWG solid tinned copper drain wire, Flammarrest® jacket. Sequential footage marking every two feet.

## Physical Characteristics (Overall)

### Conductor

#### AWG:

# Pairs	AWG	Stranding	Conductor Material
2	24	Solid	TC - Tinned Copper

### Insulation

#### Insulation Material:

Insulation Material
FFEP - Foam Fluorinated Ethylene Propylene

### 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
24	Solid		TC - Tinned Copper

### Outer Jacket

#### Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Flammarrest®	Plenum Grade PVC - Polyvinyl Chloride

### Overall Cable

Overall Nominal Diameter: 0.155 in.

### Pair

#### Pair Color Code Chart:

Number	Color
1	Black & White
2	Green & Red

## Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 16.900 lbs/1000 ft.

Max. Recommended Pulling Tension: 30 lbs.

Min. Bend Radius (Install)/Minor Axis: 1.600 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(UL) Specification:	CMP
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):	02/01/2006
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:	UL910 Plenum
C(UL) Flame Test:	FT6

### Plenum/Non-Plenum

Plenum (Y/N):	Yes
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## Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (μH/ft)

.21

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

13.7

#### Nominal Velocity of Propagation:

VP (%)

78

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

24.8

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

15.3

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Recommended Current:

Current

3.2 Amps per conductor @ 25°C

#### Input/Unfitted Impedance:

Impedance (Ohm)

100 +/- 10

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6661PT 0011000	1,000 FT	18.000 LB	BROWN	C	2 PR #24 FFEP FS FLRST

#### Notes:

C = CRATE REEL PUT-UP.

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