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please call

1-800-Belden1



## General Description:

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

## Physical Characteristics (Overall)

### Conductor

AWG:

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

Total Number of Conductors: 3

### Insulation

Insulation Material:

Insulation Material
PVC/Nylon - Polyvinyl Chloride/Nylon

### Inner Shield

Inner Shield Color Code Chart:

Number	Color
1	Black & White & Red

### 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 (in.)
PVC - Polyvinyl Chloride	0.047

Outer Jacket Ripcord: Yes

### Overall Cable

Overall Nominal Diameter: 0.290 in.

### Pair

Pair Lay Length & Direction:

Lay Length (in.)	Twists (twist/ft)
2.250	5.300

## Mechanical Characteristics (Overall)

Wet Temperature Range: -30°C To +75°C

Dry Temperature Range: -30°C To +90°C

Bulk Cable Weight: 44.600 lbs/1000 ft.

Max. Recommended Pulling Tension: 81 lbs.

Min. Bend Radius/Minor Axis: 2.900 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: NPLF, TC-ER

EU Directive 2011/65/EU (ROHS II): 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
Other Specification:	ICEA S-73-532, S-61-402

### Flame Test

UL Flame Test:	UL1685 UL Loading
C(UL) 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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## Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/ft)
.199

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
84.2

#### Nom. Mutual Capacitance:

Capacitance (pF/ft)
47.3

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
5.86

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
7.46

#### Max. Operating Voltage - UL:

Voltage
600 V RMS (NEC Type TC)
150 V RMS (NPLF)

## Notes (Overall)

Notes: Alternate color coding available upon request.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
3089A 01010000	10,000 FT	540.000 LB	BLACK		3 #18 PVC/NYL FS PVC

Revision Number: 2    Revision Date: 02-13-2014

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