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please call

1-800-Belden1



### General Description:

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

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
24	18	7x26	BC - Bare Copper

Total Number of Conductors: 48

#### Insulation

Insulation Material:

Insulation Material
PVC/Nylon - Polyvinyl Chloride/Nylon

#### 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	2.1336

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Nominal Diameter: 25.832 mm

#### Pair

Pair Color Code Chart:

Number	Color
1	Black & White Numbered 1
2	Black & White Numbered 2
3	Black & White Numbered 3
4	Black & White Numbered 4
5	Black & White Numbered 5
6	Black & White Numbered 6
7	Black & White Numbered 7
8	Black & White Numbered 8
9	Black & White Numbered 9
10	Black & White Numbered 10
11	Black & White Numbered 11
12	Black & White Numbered 12
13	Black & White Numbered 13
14	Black & White Numbered 14
15	Black & White Numbered 15
16	Black & White Numbered 16
17	Black & White Numbered 17
18	Black & White Numbered 18
19	Black & White Numbered 19
20	Black & White Numbered 20
21	Black & White Numbered 21
22	Black & White Numbered 22

23	Black & White Numbered 23
24	Black & White Numbered 24

**Pair Lay Length & Direction:**

Lay Length (mm)
63.49975
69.849725

### Mechanical Characteristics (Overall)

Wet Temperature Range:	-30°C To +75°C
Dry Temperature Range:	-30°C To +90°C
Bulk Cable Weight:	779.817 Kg/Km
Max. Recommended Pulling Tension:	4884.120 N
Min. Bend Radius/Minor Axis:	261.620 mm

### 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 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
MIL 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. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)
19.2267

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/km)
12.7631

**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
1068A 0102500	2,500 FT	1,487.500 LB	BLACK	C Z	24 PR #18 PVC/NYL FS PVC
1068A 0105000	5,000 FT	3,215.000 LB	BLACK	C	24 PR #18 PVC/NYL FS PVC

## METRIC MEASUREMENT VERSION

## 1068A Multi-Conductor - 600V Tray Cable

**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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