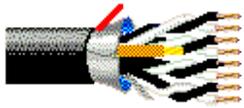


## 1489A Multi-Conductor - 300V Power-Limited Tray Cable

For more Information  
please call

1-800-Belden1



### General Description:

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

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
	24	16	7x24	BC - Bare Copper
1		22	7x30	BC - Bare Copper

Total Number of Conductors: 49

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.432

#### 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
16	7x24	TC - Tinned Copper

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.8796

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Nominal Diameter: 26.899 mm

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & White and Numbered 1
2	Black & White and Numbered 2
3	Black & White and Numbered 3
4	Black & White and Numbered 4
5	Black & White and Numbered 5
6	Black & White and Numbered 6
7	Black & White and Numbered 7
8	Black & White and Numbered 8
9	Black & White and Numbered 9
10	Black & White and Numbered 10
11	Black & White and Numbered 11
12	Black & White and Numbered 12
13	Black & White and Numbered 13

## 1489A Multi-Conductor - 300V Power-Limited Tray Cable

14	Black & White and Numbered 14
15	Black & White and Numbered 15
16	Black & White and Numbered 16
17	Black & White and Numbered 17
18	Black & White and Numbered 18
19	Black & White and Numbered 19
20	Black & White and Numbered 20
21	Black & White and Numbered 21
22	Black & White and Numbered 22
23	Black & White and Numbered 23
24	Black & White and Numbered 24
Communication Wire	Orange

### Mechanical Characteristics (Overall)

<b>Operating Temperature Range:</b>	-30°C To +105°C
<b>Bulk Cable Weight:</b>	1003.047 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	7779.902 N
<b>Min. Bend Radius/Minor Axis:</b>	269.240 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	CMG, ITC-ER, PLTC-ER
<b>CEC/C(UL) Specification:</b>	CMG
<b>AWM Specification:</b>	UL Style 2464 (300 V 105°C)
<b>EU Directive 2011/65/EU (ROHS II):</b>	Yes
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	04/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes
<b>Other Specification:</b>	NEC Type PLTC Listed, which is approved for cable tray use in Class 1, Division 2, hazardous areas and non-hazardous areas, cable trays, raceways, conduit and supported by messenger wires.

#### Flame Test

<b>UL Flame Test:</b>	UL1685 FT4 Loading
<b>CSA Flame Test:</b>	FT4
<b>IEEE Flame Test:</b>	1202

#### Suitability

<b>Suitability - Burial:</b>	Yes
<b>Sunlight Resistance:</b>	Yes

#### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
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### Electrical Characteristics (Overall)

#### Nom. Inductance:

<b>Inductance (µH/m)</b>
0.52496

METRIC MEASUREMENT VERSION

## 1489A Multi-Conductor - 300V Power-Limited Tray Cable

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
104.992

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

Capacitance (pF/m)
190.298

### Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/km)
16 AWG	12.0413
22 AWG	48.2307

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
9.1868

### Max. Operating Voltage - UL:

Voltage
300 V RMS

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1489A 0101250	1,250 FT	915.000 LB	BLACK	C Z	24 PR #16 + 1 #22 PVC FS PVC
1489A 0105000	5,000 FT	4,060.000 LB	BLACK	C	24 PR #16 + 1 #22 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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