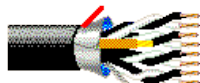


## 1489A Multi-Conductor - 300V Power-Limited Tray Cable



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 (in.)
PVC - Polyvinyl Chloride	0.017

**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 (in.)
PVC - Polyvinyl Chloride	.074

Outer Jacket Ripcord:

Yes

**Overall Cable**

Overall Nominal Diameter:

1.059 in.

**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
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

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

22	Black & White and Numbered 22
23	Black & White and Numbered 23
24	Black & White and Numbered 24
Communication Wire	Orange

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-30°C To +105°C
Bulk Cable Weight:	674 lbs/1000 ft.
Max. Recommended Pulling Tension:	1749 lbs.
Min. Bend Radius/Minor Axis:	10.600 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMG, ITC-ER, PLTC-ER
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2464 (300 V 105°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
MIL Order #39 (China RoHS):	Yes
Other Specification:	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**

UL Flame Test:	UL1685 FT4 Loading
CSA 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)
.16

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)
32

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

Capacitance (pF/ft)
58

**Nom. Conductor DC Resistance:**

Description	DCR @ 20°C (Ohm/1000 ft)
16 AWG	3.67
22 AWG	14.7

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
2.8

**Max. Operating Voltage - UL:**

Voltage
300 V RMS

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

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1489A 0101250	1,250 FT	915.000 LB	BLACK	C Z	16/24 PR PLTC OS 300V
1489A 0105000	5,000 FT	4,010.000 LB	BLACK	C	24 PR #16 + 1 #22 PVC FS PVC
1489A 0107500	7,500 FT	5,752.500 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.

Revision Number: 4    Revision Date: 11-10-2015

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