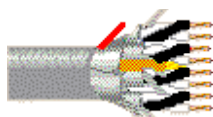


## 1498A Multi-Conductor - 300V Power-Limited Tray Cable



For more Information  
please call

1-800-Belden1

**General Description:**

16 AWG pairs stranded (7x24) bare copper conductors, twisted pairs, individually shielded plus an 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
PVC - Polyvinyl Chloride

**Inner Shield****Inner Shield Material:**

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

**Inner Shield Drain Wire AWG:**

AWG
18

Inner Shield Drain Wire Stranding: 7x26

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

**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 Cabling Lay Length & Direction:**

Length (in.)
12

Overall Nominal Diameter: 1.167 in.

## 1498A Multi-Conductor - 300V Power-Limited Tray Cable

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

## Pair Lay Length &amp; Direction:

Lay Length (in.)	Twists (twist/ft)
2.750	4.360

## Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +105°C
Bulk Cable Weight:	835 lbs/1000 ft.
Max. Recommended Pulling Tension:	2296 lbs.
Min. Bend Radius/Minor Axis:	11.600 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; 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
MII Order #39 (China RoHS):	Yes

## 1498A Multi-Conductor - 300V Power-Limited Tray Cable

## Flame Test

UL Flame Test:	UL1685 FT4 Loading
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CSA Flame Test:	FT4
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IEEE Flame Test:	1202
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## Suitability

Suitability - Burial:	Yes
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Sunlight Resistance:	Yes
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## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Surface Printing (Overall)

Surface Printing:	BELDEN 1498A E34972 24PR16 1C22 SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES DIR BUR OR AWM 2464 80C 300V OR C(UL) CMG----FT4 IEEE1202 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET
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## Electrical Characteristics (Overall)

## Nom. Inductance:

Inductance (μH/ft)
.19

## Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
114

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
61

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

Capacitance (pF/ft)
110

## 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)
2.73

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:	5.070 Ohm/1000 ft
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## Max. Operating Voltage - UL:

Voltage
300 V RMS

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1498A 0101000	1,000 FT	951.000 LB	BLACK		24 FS PR #16+1 #22 PVC FS PVC
1498A 0105000	5,000 FT	4,845.000 LB	BLACK	C Z	24 FS 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.

## 1498A Multi-Conductor - 300V Power-Limited Tray Cable

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

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