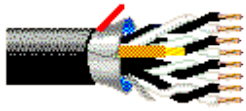


## 1490A Multi-Conductor - 300V Power-Limited Tray Cable



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
	36	16	7x24	BC - Bare Copper
1		22	7x30	BC - Bare Copper

Total Number of Conductors: 73

#### Insulation

##### Insulation Material:

Insulation Material
PVC - Polyvinyl Chloride

#### 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 Cabling Lay Length & Direction:

Length (mm)
466.088165

Overall Nominal Diameter: 29.921 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

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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
25	Black & White and Numbered 25
26	Black & White and Numbered 26
27	Black & White and Numbered 27
28	Black & White and Numbered 28
29	Black & White and Numbered 29
30	Black & White and Numbered 30
31	Black & White and Numbered 31
32	Black & White and Numbered 32
33	Black & White and Numbered 33
34	Black & White and Numbered 34
35	Black & White and Numbered 35
36	Black & White and Numbered 36
Communication Wire	Orange

### Pair Lay Length & Direction:

Lay Length (mm)	Direction
63.49975	Odd Pair Numbers
82.549675	Even Pair Numbers

### Mechanical Characteristics (Overall)

<b>Operating Temperature Range:</b>	-30°C To +105°C
<b>Bulk Cable Weight:</b>	1406.350 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	11592 N
<b>Min. Bend Radius/Minor Axis:</b>	299.720 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<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

#### Flame Test

METRIC MEASUREMENT VERSION

## 1490A Multi-Conductor - 300V Power-Limited Tray Cable

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

### Surface Printing (Overall)

Surface Printing: BELDEN 1490A E34972 36PR16 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

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/m)  
0.6562

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)  
121.397

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

Capacitance (pF/m)  
219.827

#### 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
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Revision Number: 1    Revision Date: 04-18-2008

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METRIC MEASUREMENT VERSION

## 1490A Multi-Conductor - 300V Power-Limited Tray Cable

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