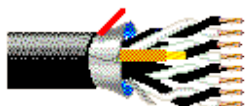


## 1490A Multi-Conductor - 300V Power-Limited Tray Cable



For more Information  
please call

1-800-Belden1

**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

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

Outer Jacket Ripcord:

Yes

**Overall Cable**

Overall Cabling Lay Length & Direction:

Length (in.)
18.35

Overall Nominal Diameter:

1.178 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

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

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 &amp; Direction:

Lay Length (in.)	Direction
2.500	Odd Pair Numbers
3.250	Even Pair Numbers

## Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +105°C
Bulk Cable Weight:	945 lbs/1000 ft.
Max. Recommended Pulling Tension:	2606 lbs.
Min. Bend Radius (Install)/Minor Axis:	11.800 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2464 (300 V 105°C)
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

## Flame Test

UL Flame Test:	UL1685 FT4 Loading
CSA Flame Test:	FT4

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

IEEE Flame Test: 1202

**Suitability**

Suitability - Burial: Yes

Sunlight Resistance: Yes

**Plenum/Non-Plenum**

Plenum (Y/N): No

**Surface Printing (Overall)****Electrical Characteristics (Overall)****Nom. Inductance:**

Inductance (μH/ft)

.2

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)

37

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

Capacitance (pF/ft)

67

**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

**Related Documents:**

No related documents are available for this product

**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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