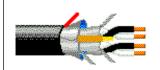


# 1492A Paired - 300V Power-Limited Tray Cable





For more information please call
1-800-Belden1

**See Put-ups and Colors** 

Related Documents : ICEA Table E1.pdf

### **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:

### **CONDUCTOR:**

Number of Pairs	2
Number of Conductors	1
Total Number of Conductors	5
AWG	16, 22

# Multi-Pairs/Conductors:

Number of Pairs/Conductors	AWG	Stranding	Conductor Material	Conductor Diameter (in.)
2	16	7x24	BC - Bare Copper	
1 Communication Wire	22	7x30	BC - Bare Copper	

Stranding 7x24, 7x30
Conductor Material BC - Bare Copper

#### **INSULATION:**

Insulation Material	PVC - Polyvinyl Chloride		
Lay Length	2.5 in.		
Twists/ft.	4.8		

# Pair Color Code Chart:

Number	Color	Number	Color
1	Black & White and Numbered	Communication Wire	Orange
2	Black & White and Numbered		

# **INNER SHIELD:**

Inner Shield Material Trade Name	Beldfoil®		
Inner Shield Type	Tape		
Inner Shield Material	Aluminum Foil-Polyester Tape		
Inner Shield % Coverage	100 %		
Inner Shield Drain Wire AWG	18		

# Detailed Specifications & Technical Data



# 1492A Paired - 300V Power-Limited Tray Cable

Inner Shield Drain Wire Stranding	7x26
Inner Shield Drain Wire Conductor Material	TC - Tinned Conner

#### **OVERALL CABLING:**

Overall Cabling Lay Length 5.8 in.

#### **OUTER SHIELD:**

Outer Shield Material Trade Name

Beldfoil®

Outer Shield Type

Tape

Outer Shield Material Aluminum Foil-Polyester Tape

Outer Shield %Coverage 100 %

#### **OUTER SHIELD DRAIN WIRE:**

Outer Shield Drain Wire AWG

Outer Shield Drain Wire Stranding

7x24

Outer Shield Drain Wire Stranding

Outer Shield Drain Wire Conductor Material TC - Tinned Copper

# **OUTER JACKET:**

Outer Jacket Material PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness .053 in.
Outer Jacket Ripcord Yes

#### **OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter .450 in.

## **MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	-30°C To +105°C
Bulk Cable Weight	161 lbs/1000 ft.
Max. Recommended Pulling Tension	232 lbs.
Min. Bend Radius (Install)	4.5 in.

#### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### APPLICABLE STANDARDS:

NEC/(UL) Specification	PLTC, ITC, CMG
CEC/C(UL) Specification	CMG
AWM Specification	UL Style 2464 (300 V 105°C)
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005

#### FLAME TEST:

UL Flame Test	UL1685 FT4 Loading
CSA Flame Test	FT4
IEEE Flame Test	1202
ICEA Flame Test	T-29-520

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# 1492A Paired - 300V Power-Limited Tray Cable

#### **SUITABILITY:**

Suitability - Burial Yes
Sunlight Resistance Yes

#### PLENUM/NON-PLENUM:

Plenum (Y/N) N

#### **ELECTRICAL CHARACTERISTICS:**

Nom. Capacitance Conductor to Conductor @ 1 KHz 60 pF/ft Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz 110 pF/ft

Nom. Conductor DC Resistance @ 20 Deg. C:

Description	Nom. Conductor DC Resistance @ 20 Deg. C (Ohms/1000 ft)		
16 AWG	3.67		
22 AWG	14.7		

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C 5.07 Ohms/1000 ft

Nominal Outer Shield DC Resistance @ 20 Deg. C 3.3 Ohms/1000 ft

Max. Operating Voltage - UL 300 V RMS

#### **PUT-UPS AND COLORS:**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1492A 0107500	2 FS PR #16 + 1 #22 PVC FS PVC	7500	885	BLACK	CZ

#### 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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