

1492A Paired - 300V Power-Limited Tray Cable

 	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> <p>Related Documents : ICEA Table E1.pdf</p>
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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

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Inner Shield Drain Wire Stranding	7x26
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Inner Shield Drain Wire Conductor Material	TC - Tinned Copper
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OVERALL CABLING:

Overall Cabling Lay Length	5.8 in.
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OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil®
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Outer Shield Type	Tape
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Outer Shield Material	Aluminum Foil-Polyester Tape
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Outer Shield % Coverage	100 %
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OUTER SHIELD DRAIN WIRE :

Outer Shield Drain Wire AWG	16
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Outer Shield Drain Wire Stranding	7x24
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Outer Shield Drain Wire Conductor Material	TC - Tinned Copper
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OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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Outer Jacket Nominal Wall Thickness	.053 in.
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Outer Jacket Ripcord	Yes
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.450 in.
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MECHANICAL CHARACTERISTICS:

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

APPLICABLE STANDARDS:

NEC/(UL) Specification	PLTC, ITC, CMG
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CEC/C(UL) Specification	CMG
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AWM Specification	UL Style 2464 (300 V 105°C)
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EU CE Mark (Y/N)	Yes
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EU RoHS Compliant (Y/N)	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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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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ICEA Flame Test	T-29-520
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SUITABILITY:

Suitability - Burial	Yes
Sunlight Resistance	Yes

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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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	C Z

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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