



Part Number: 1493A

300V, (4 pr) 16 AWG (7x24) BC, (1) 22 AWG (7x30) BC,
PVC/PVC, Foil Shld, PLTC-ER, CMG

Product Description

Four 16 AWG pairs stranded (7x24) bare copper conductors, one 22 AWG stranded (7x30) bare copper conductor, twisted pairs, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Conductors	No. of Pairs
16	7x24	BC - Bare Copper		4
22	7x30	BC - Bare Copper	1	
Total Number of Conductors:			9	

Insulation:

Material
PVC - Polyvinyl Chloride

Color Chart 1:

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
Communication Wire	Orange

Innershield:

Type	Material	Material Trade Name	Coverage [%]	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	18	7x26 mm
				TC - Tinned Copper	

Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	16	7x24 mm

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.512 in	0.055 in	Yes

Print Legend:	BELDEN 1493A E34972 4PR16 1C22 SHIELDED (UL) CMG 105C IR OKTC IR UTC SYB RES DUR BYR IR AWN 2464 79C 399V IR C(UL) CMG---FT4 IEEE1202 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET
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Electrical Characteristics

Conductor DCR:

Element	Individual Pair Nominal Shield DCR	Nominal Conductor DCR	Nominal Outer Shield DCR
16 AWG	5.07 Ohm/1000ft	3.67 Ohm/1000ft	3.14 Ohm/1000ft
22 AWG		14.7 Ohm/1000ft	

Capacitance:

Nom. Capacitance Conductor to Other Conductor to Shield
60 pF/ft

Voltage:

UL Voltage Rating
300 V RMS

Use

Suitability - Burial:	Yes
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Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	420 lbs

Safety

CSA Flammability:	FT4
ICEA Flammability:	T-29-520
IEEE Flammability:	1202
UL Flammability:	UL1685 FT4 Loading

Temperature Range

Operating Temp Range:	-30°C To +105°C
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Mechanical Characteristics

Min Bend Radius/Minor Axis:	5.2 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
UL AWM Style:	AWM Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Product Variants

Part Number	Color	Put-Up Type	Length
1493A 0107500	BLACK	Reel	7500 ft

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