

## 3092A Coax - ControlNet™ Quad Shielded Coax

For more Information  
please call

1-800-Belden1

**Description:**

18 AWG solid bare copper-covered steel conductor, foam polyethylene insulation, Duobond® IV Quad Shield (100% coverage), PVC Jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	Solid	BCCS - Bare Copper Covered Steel	.040

**Insulation**

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	.180

**Outer Shield**

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	AL - Aluminum	60
3	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
4		Braid	AL - Aluminum	40

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cable**

Overall Nominal Diameter: 0.298 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-30°C To +75°C
Bulk Cable Weight:	33 lbs/1000 ft.
Max. Recommended Pulling Tension:	162 lbs.
Min. Bend Radius (Install)/Minor Axis:	3 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

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):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes

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MII Order #39 (China RoHS):	Yes
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RG Type:	6/U
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**Flame Test**

UL Flame Test:	UL1666 Vertical Shaft
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**Suitability**

Sunlight Resistance:	Yes
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**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
75

**Nom. Inductance:**

Inductance (μH/ft)
.097

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)
16.2

**Nominal Velocity of Propagation:**

VP (%)
82

**Nominal Delay:**

Delay (ns/ft)
1.28

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
28.0

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
3.6

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.35
2	.38
5	.45
10	.59
20	.86
50	1.37
100	1.97
200	2.82
300	3.48
400	4.04

**Minimum Structural Return Loss:**

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
		5	50	23

**Notes (Overall)**

**Notes:** CPE jacket or LSZH jacket also available as special products.

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

## 3092A Coax - ControlNet™ Quad Shielded Coax

Item #	Putup	Ship Weight	Color	Notes	Item Desc
3092A X7E1000	1,000 FT	42.000 LB	BLUE X7E	C	#18 GIFHDLDPD DBSH PVC
3092A X7E2000	2,000 FT	82.000 LB	BLUE X7E	C	#18 GIFHDLDPD DBSH PVC
3092A X7E500	500 FT	20.500 LB	BLUE X7E		#18 GIFHDLDPD DBSH PVC
3092A 0021000	1,000 FT	42.000 LB	RED	C	#18 GIFHDLDPD DBSH PVC
3092A 0101000	1,000 FT	42.000 LB	BLACK	C	#18 GIFHDLDPD DBSH PVC
3092A 0102000	2,000 FT	82.000 LB	BLACK	C	#18 GIFHDLDPD DBSH PVC
3092A 0102500	2,500 FT	100.000 LB	BLACK	C	#18 GIFHDLDPD DBSH PVC
3092A 010500	500 FT	20.500 LB	BLACK		#18 GIFHDLDPD DBSH PVC

**Notes:**

C = CRATE REEL PUT-UP.

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