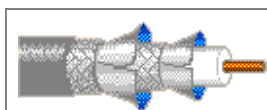


**3092A Coax - ControlNet™ Quad Shielded Coax**



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	0.040

**Insulation:**

Insulation Material

Ins Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	0.180

**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 Cabling:**

Overall Nominal Diameter: .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:**

NEC/(UL) Specification CL2R, CMR

CEC/C(UL) Specification CMG FT4

EU CE Mark (Y/N) Yes

EU RoHS Compliant (Y/N) Yes

EU RoHS Compliance Date (mm/dd/yyyy) 01/01/2004

RG Type 6/U

**Flame Test:**

UL Flame Test UL1666 Vertical Shaft

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**Electrical Characteristics (Overall):**

Nom. Characteristic Impedance

<b>Impedance (Ohm)</b>
75.000

Nom. Inductance

<b>Inductance (µH/ft)</b>
0.097

Nom. Capacitance Conductor to Shield

<b>Capacitance (pF/ft)</b>
16.200

Nominal Velocity of Propagation

<b>VP (%)</b>
82

Nominal Delay

<b>Delay (ns/ft)</b>
1.280

Nom. Conductor DC Resistance

<b>DCR @ 20°C (Ohm/1000 ft)</b>
28.000

Nominal Outer Shield DC Resistance

<b>DCR @ 20°C (Ohm/1000 ft)</b>
3.600

Nom. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	1.000			0.350
	2.000			0.380
	5.000			0.450
	10.000			0.590
	20.000			0.860
	50.000			1.370
	100.000			1.970
	200.000			2.820
	300.000			3.480
	400.000			4.040

Minimum Structural Return Loss

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
		5.000	50.000	23.000

**Notes (Overall):**

Notes CPE Jacket is optional. 2500 ft put-up available in Black only.

**PUT UPS AND COLORS:**

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
3092A 0021000	1,000 FT	37.000 LB	RED	C	#18 GIFHDLPE DBSH PVC RED
3092A 0101000	1,000 FT	37.000 LB	BLACK	C	#18 GIFHDLPE DBSH PVC BLK
3092A 0102000	2,000 FT	82.000 LB	BLACK	C	#18 GIFHDLPE DBSH PVC BLK
3092A 0102500	2,500 FT	100.000 LB	BLACK	C	#18 GIFHDLPE DBSH PVC BLK
3092A 010500	500 FT	21.000 LB	BLACK		#18 GIFHDLPE DBSH PVC BLK
3092A X7E1000	1,000 FT	37.000 LB	BLUE X7E	C	#18 GIFHDLPE DBSH PVC BLUX7E
3092A X7E2000	2,000 FT	82.000 LB	BLUE X7E	C	#18 GIFHDLPE DBSH PVC BLUX7E

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3092A X7E500	500 FT	21.000 LB	BLUE X7E	#18 GIFHDLDPPE DBSH PVC BLUX7E
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**Notes:**

C = CRATE REEL PUT-UP.

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