

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

		<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p>
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**Description:**

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

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Coax	1
Total Number of Conductors	1
RG Type	6/U
AWG	18
Stranding	Solid
Conductor Diameter	.040 in.
Conductor Material	BCCS - Bare Copper Covered Steel

**INSULATION:**

Insulation Material	Gas-injected FPE - Foam Polyethylene
Insulation Diameter	.180 in.

**OUTER SHIELD:**

Outer Shield Material Trade Name	Duobond® IV Quad Shield
Outer Shield Type	Tape/Braid/Tape/Braid

Outer Shield Material :

Layer Number	Trade Name	Type	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 Shield % Coverage	100 %
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**OUTER JACKET:**

Outer Jacket Material	PVC - Polyvinyl Chloride
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**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	.298 in.
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**MECHANICAL CHARACTERISTICS:**

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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)	3 in.

### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### 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

#### FLAME TEST:

UL Flame Test	UL1666 Vertical Shaft
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#### ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	.097 µH/ft
Nom. Capacitance Conductor to Shield	16.2 pF/ft
Nominal Velocity of Propagation	82 %
Nominal Delay	1.28 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	28.0 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	3.6 Ohms/1000 ft

#### Minimum Structural Return Loss :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Minimum Structural Return Loss (dB)
		5	50	23

#### Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. 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

Max. Operating Voltage - Other	300 V RMS
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#### NOTES:

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

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
3092A 0101000	#18 GIFHDLDP DBSH PVC	1000	45	BLACK	C
3092A 0102000	#18 GIFHDLDP DBSH PVC	2000	88	BLACK	C
3092A 0102500	#18 GIFHDLDP DBSH PVC	2500	107.5	BLACK	C
3092A 010500	#18 GIFHDLDP DBSH PVC	500	22.5	BLACK	
3092A X7E1000	#18 GIFHDLDP DBSH PVC	1000	45	BLUE X7E	C
3092A X7E2000	#18 GIFHDLDP DBSH PVC	2000	88	BLUE X7E	C
3092A X7E500	#18 GIFHDLDP DBSH PVC	500	22.5	BLUE X7E	

C = CRATE REEL PUT-UP.

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