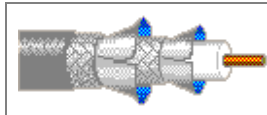


3092F Coax - ControlNet™ and ControlBus™ Quad Shielded Coax



For more Information
please call

1-800-Belden1



Description

20 AWG stranded (105x40) bare copper 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	20	105x40	BC - Bare Copper	0.040

Insulation:

Insulation Material

Ins Material	Dia. (in.)
FPE - Foam Polyethylene	0.183

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: .303 in.

Mechanical Characteristics (Overall):

Operating Temperature Range	-40°C To +75°C
Bulk Cable Weight:	40 lbs/1000 ft.
Max. Recommended Pulling Tension:	35 lbs.
Min. Bend Radius (Install)/Minor Axis:	3 in.
Min. Flexing Radius:	6 in.

Applicable Specifications and Agency Compliance (Overall):

Applicable Standards:

NEC/(UL) Specification	CL2R, CMR
CEC/(UL) Specification	CMG
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:

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UL Flame Test UL1666 Riser

CSA Flame Test FT4

Electrical Characteristics (Overall):

Nom. Characteristic Impedance

Impedance (Ohm)
75.000

Nom. Inductance

Inductance (µH/ft)
0.108

Nom. Capacitance Conductor to Shield

Capacitance (pF/ft)
17.000

Nominal Velocity of Propagation

VP (%)
79

Nominal Delay

Delay (ns/ft)
1.290

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
10.500

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
3.600

Nom. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	1.000			0.360
	2.000			0.470
	5.000			0.800
	10.000			1.200
	20.000			2.000
	50.000			3.200
	100.000			4.600
	200.000			6.500
	300.000			8.000
	400.000			9.300

Other Electrical Characteristic 1 IEEE 802.4 MAP/IEEE 802.7 Mini-Map

Shield Effectiveness

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Effectiveness (dB)
Unflexed	30.000			92
After 1.5 million flexes	30.000			60

Minimum Structural Return Loss

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
		5.000	400.000	23.000

Notes (Overall):

Notes CPE Jacket optional. Flex Life: 1.5 Million cycles @ 6.0" minimum bend radius. For Rockwell authorized Flexible ControlNet order YR28890 (Tinned Copper Braid Version).

PUT UPS AND COLORS:

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
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3092F 0101000	1,000 FT	44.000 LB	BLACK		#20 GIFHDLDPPE DBSH PVC BLK
3092F 0105000	5,000 FT	210.000 LB	BLACK	C	#20 GIFHDLDPPE DBSH PVC BLK

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-14-2007

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