

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	.040

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FPE - Foam Polyethylene	.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	100.000
2		Braid	AL - Aluminum	60.000
3	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100.000
4		Braid	AL - Aluminum	40.000

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.303 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 & Environmental Programs

NEC/(UL) Specification: CL2R, CMR

CEC/C(UL) Specification: CMG

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

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EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
RG Type:	6/U

Flame Test

UL Flame Test:	UL1666 Riser
CSA Flame Test:	FT4

Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/ft)
.108

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
17.0

Nominal Velocity of Propagation:

VP (%)
79

Nominal Delay:

Delay (ns/ft)
1.29

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
10.5

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
3.6

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.36
2	.47
5	.80
10	1.2
20	2.0
50	3.2
100	4.6
200	6.5
300	8.0
400	9.3

Other Electrical Characteristic 1:

IEEE 802.4 MAP/IEEE 802.7 Mini-Map

Shield Effectiveness:

Description	Freq. (MHz)	Effectiveness (dB)
Unflexed	30	92
After 1.5 million flexes	30	60

Minimum Structural Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
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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).

Related Documents:

No related documents are available for this product

Put Ups and Colors:

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

Notes:

C = CRATE REEL PUT-UP.

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