Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



3092A Coax - ControlNet™ Quad Shielded Coax

For more Information please call

1-800-Belden1



General 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	Coax AWG Stranding		Conductor Material	Dia. (mm)
1	18	Solid	BCCS - Bare Copper Covered Steel	1.016

Total Number of Conductors:

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FPE - Foam Polyethylene	4.572

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: 7.569 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +75°C
Bulk Cable Weight:	49.111 Kg/Km
Max. Recommended Pulling Tension:	720.608 N
Min. Bend Radius/Minor Axis:	76.200 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL2R, CMG, CMR		
CEC/C(UL) Specification:	CMG		
EU Directive 2011/65/EU (ROHS II):	Yes		
EU CE Mark:	Yes		
EU Directive 2000/53/EC (ELV):	Yes		
EU Directive 2002/95/EC (RoHS):	Yes		

Page 1 of 3 01-30-2019

Detailed Specifications & Technical Data





3092A Coax - ControlNet™ Quad Shielded Coax

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			
MII Order #39 (China RoHS):	Yes			
RG Type:	6/U			
Flame Test				
UL Flame Test:	UL1666 Vertical Shaft			
Suitability				
Sunlight Resistance:	Yes			
Plenum/Non-Plenum				
Plenum (Y/N):	No			
Plenum Number:	3093A			

Electrical Characteristics (Overall)

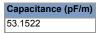
Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



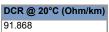
Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 11.8116

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.14835
2	1.24678
5	1.47645
10	1.93579
20	2.82166
50	4.49497
100	6.46357
200	9.25242
300	11.4179
400	13.2552

Max. Operating Voltage - UL:



Page 2 of 3 01-30-2019

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



3092A Coax - ControlNet™ Quad Shielded Coax

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.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
3092A X7E1000	1,000 FT	37.000 LB	BLUE X7E	С	#18 GIFHDLDPE DBSH PVC
3092A X7E2000	2,000 FT	82.000 LB	BLUE X7E	С	#18 GIFHDLDPE DBSH PVC
3092A X7E500	500 FT	20.500 LB	BLUE X7E		#18 GIFHDLDPE DBSH PVC
3092A X7E5000	5,000 FT	190.000 LB	BLUE X7E		#18 GIFHDLDPE DBSH PVC
3092A 0021000	1,000 FT	41.000 LB	RED	С	#18 GIFHDLDPE DBSH PVC
3092A 0101000	1,000 FT	37.000 LB	BLACK	С	#18 GIFHDLDPE DBSH PVC
3092A 01010000	10,000 FT	400.000 LB	BLACK		#18 GIFHDLDPE DBSH PVC
3092A 0102000	2,000 FT	82.000 LB	BLACK	С	#18 GIFHDLDPE DBSH PVC
3092A 0102500	2,500 FT	100.000 LB	BLACK	С	#18 GIFHDLDPE DBSH PVC
3092A 010500	500 FT	20.500 LB	BLACK		#18 GIFHDLDPE DBSH PVC
3092A 0105000	5,000 FT	190.000 LB	BLACK		#18 GIFHDLDPE DBSH PVC

Notes

C = CRATE REEL PUT-UP.

Revision Number: 4 Revision Date: 09-04-2013

© 2019 Belden, Inc All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale. Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product. Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

Page 3 of 3 01-30-2019