Detailed Specifications & Technical Data



123092A 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 inner jacket, aluminum interlocked armor, PVC sunlight-resistant outer jacket.

Baitable Applications: ControNet TM , Modbus II, Industrial Coax Physical Characteristics (Overall) Image: ControNetTM (ControNetTM (ControNetTM (ControNetM (ControNet))))))))))	Jsage (Overall)	0 ,,					
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Image: Solid DCCS - Bare Copper Covered Steel 1.016 Total Number of Conductors: 1 Insclatol Solid December Solid Insclatol Disclatol Disclatol Insclatol Disclatol Disclatol Disclatol Disclatol Disclatol Disclatol Disclatol Disclatol Disclatol							
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PVC - Polyvinyl Chloride 7.563 Outer Shield Layer # Outer Shield Material: Layer # Outer Shield Tade Name Type Outer Shield Material 000 1 Bonded Duofolio 1 Tape Auminum Foil-Polyester Tape-Aluminum Foil 00 Braid AL - Aluminum 01 00 4 Braid AL - Aluminum 01 00 00 4 Braid AL - Aluminum 01 01 00 2 Duofolio 1.143 Outer Jacket Material Non. Wall Thickness (mm) PVC - Polyvinyl Chloride 1.143 Armor Jamenter over Armor: .501 Overall Cable Overall Neminal Diameter: 15.011 nm Vacetaristics (Overall) Overaling Temperature Range: .40°C To +75°C Buik Cable Weight: 211.324 Kg/Km Max. Recommended Pulling Tension: Mink Bend Radius/Minor Axis: 189.							
Cuter Shield Outer Shield Material: Layer # Outer Shield Trade Name Type Outer Shield Material Coverage (%) 1 Bonded Dudnik Tape 2 Braid AL - Aluminum Foil Folyester Tape-Aluminum Foil 100 3 Dudnik Tape Bonded Aluminum Foil Folyester Tape-Aluminum Foil 100 4 Braid AL - Aluminum 40 40 Outer Jacket Material: Murinum Foil 100 40 Outer Jacket Material: Nom. Wall Thickness (mm) 40 PVC - Polyving/ Chindrike [1:143 Aluminum 40 Armor Armor Aluminum 501 Overall Nominal Diameter: .501 .501 Overall Nominal Diameter: 15.011 mm .501 Overall Nominal Diameter: 15.011 mm .501 Operating Temperature Range: -40° C To 175°C .501 Bulk Cable Weight: 211.324 Kg/Km .504 Min. Eend Radius/Minor Axis: .504 Min. Eend Radius/Minor Axis: Min. Bend Radius/Minor Axis: 180.460 N .504 Min. Eend Radius/Minor Axis: .504 Min. Eend Radius/Minor Axis: Min. Bend Radius/Minor Axis: <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>							
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4 Braid AL - Aluminum 40 Outer Jacket Material: Outer Jacket Materia							
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Diameter over Armor: .501 Overall Cable	Armor Type:	Interlocking	Interlocking				
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Applicable Standards & Environmental Programs NEC/(UL) Specification: CL2, CM EU Directive 2011/65/EU (ROHS II): Yes	Min. Bend Radius/Mino	r Axis:	180.340 mm				
NEC/(UL) Specification: CL2, CM EU Directive 2011/65/EU (ROHS II): Yes	Applicable Specificati	ons and Agency	/ Compliance (Overall)				
EU Directive 2011/65/EU (ROHS II): Yes	Applicable Standards &	Environmental Pro	ograms				
	NEC/(UL) Specification	:	CL2, CM				
EU Directive 2000/53/EC (ELV): Yes	EU Directive 2011/65/E	J (ROHS II):	Yes				
	EU Directive 2000/53/E	C (ELV):	Yes				

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

123092A Coax - ControlNet™ Quad Shielded Coax

EU Directive 2002/95/EC (RoHS):	Yes					
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005					
EU Directive 2002/96/EC (WEEE):	Yes					
EU Directive 2003/11/EC (BFR):	Yes					
CA Prop 65 (CJ for Wire & Cable):	Yes					
	Yes					
MII Order #39 (China RoHS):						
RG Type:	6/U					
Flame Test						
UL Flame Test:	UL1685 Vertical Tray Flame Test					
CSA Flame Test:	FT4					
Suitability						
Suitability - Indoor:	Yes					
Suitability - Outdoor:	Yes					
Sunlight Resistance:	Yes					
Plenum/Non-Plenum						
Plenum (Y/N):	No					
Electrical Characteristics (Overall) Nom. Characteristic Impedance:						
Impedance (Ohm)						
75						
Nom. Inductance:						
Inductance (µH/m)						
0.318257						
Nom. Capacitance Conductor to Shield:						
Capacitance (pF/m)						
53.1522						
Nominal Velocity of Propagation: VP (%)						
82						
Nominal Delay:						
Delay (ns/m)						
4.19968						
Nom. Conductor DC Resistance:						
DCR @ 20°C (Ohm/km)						
91.868						
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						
200 9.25242 300 11.4179						
200 9.25242 300 11.4179 400 13.2552						
200 9.25242 300 11.4179 400 13.2552 Max. Operating Voltage - UL:						
200 9.25242 300 11.4179 400 13.2552						
200 9.25242 300 11.4179 400 13.2552 Max. Operating Voltage - UL: Voltage 300 V RMS						
200 9.25242 300 11.4179 400 13.2552 Max. Operating Voltage - UL: Voltage	eq. (MHz) Min. SRL (dB)					



METRIC MEASUREMENT VERSION

123092A Coax - ControlNet™ Quad Shielded Coax

Notes: ControlNet is a ControlNet International trademark.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
123092A J221000	1,000 FT	153.000 LB	BLUE, STRONG		3092A ALUM ARMOR PVC
123092A J225000	5,000 FT	810.000 LB	BLUE, STRONG		3092A ALUM ARMOR PVC
123092A 0101000	1,000 FT	153.000 LB	BLACK		3092A ALUM ARMOR PVC
123092A 0102000	2,000 FT	316.000 LB	BLACK		3092A ALUM ARMOR PVC

Revision Number: 3 Revision Date: 08-16-2012

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