## **Detailed Specifications & Technical Data**



### 1521A Coax - Bundled RGB Coaxial Cables Miniature Type



For more Information please call

1-800-Belden1



#### **General Description:**

30 AWG stranded (7x38) .012" TC conductors, foam HDPE insulation, Coaxes w/Duofoil® + TC braid (90% coverage), overall Beldfoil® shield, overall PVC jkt.

Physical Characteristics (Overall)	
Conductor	
AWG: # Coax AWG Stranding Conductor Material Dia. (mm)	
4 30 7x38 TC - Tinned Copper 0.305	
Total Number of Conductors:	4
Insulation	·
Insulation Material:	
Insulation Material         Dia. (mm)           FHDPE - Foam High Density Polyethylene         1.4224	
Inner Shield Inner Shield Material:	
Layer # Inner Shield Trade Name Type Inner Shield Material	Coverage (%)
1         Duofoil®         Tape         Aluminum Foil-Polyester T           2         Braid         TC - Tinned Copper	
2 Braid TC - Tinned Copper	90
Inner Jacket Inner Jacket Material:	
Inner Jacket Material Nom. Dia. (mm)	
PVC - Polyvinyl Chloride 2.5908	
Inner Jacket Color Code Chart:	
Number         Color           1         Red	
2 Green	
3 Blue	
4 White	
Outer Shield	
Outer Shield Material:	
Outer Shield Trade Name         Type         Outer Shield Material         Co           Beldfoil®         Tape         Aluminum Foil-Polyester Tape         100	overage (%)
Outer Jacket	-
Outer Jacket Material:	
Outer Jacket Material	
PVC - Polyvinyl Chloride	
Overall Cable	
Overall Nominal Diameter:	7.874 mm
Aechanical Characteristics (Overall)	
Operating Temperature Range:	-40°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 1354)
Non-UL Temperature Rating:	0°09
Bulk Cable Weight:	81.851 Kg/Km
Max. Recommended Pulling Tension:	249.099 N
Min. Bend Radius/Minor Axis:	76.200 mm
Applicable Specifications and Agency Compliance (O	verall)
Applicable Standards & Environmental Programs	,

# **Detailed Specifications & Technical Data**



### METRIC MEASUREMENT VERSION

## 1521A Coax - Bundled RGB Coaxial Cables Miniature Type

Avid Total Science 2000 Residuation         UL. Style 1201 Reads 2011 Residuation           EU Decision 2002 REG (1)/// EU         Yes           EU Decision 2002 REG (2)// EU         Yes           Ref Type:         Yes           Ref Type: <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>						
EU Clatan:       No         EU Decine 2005/LIC (EUV;       Yes         EU Decine 2005/LIC (FEI):       Yes         EU Decine 2005/LIC (FEI):       Yes         EU Decine 2005/LIC (FEI):       Yes         FU Decine 2005/LIC (FEI):       Yes         R0 Type:       No         No control 2006/LIC (FEI):       Yes         R0 Type:       No         No control 2006/LIC (FEI):       No         No control 2006/LIC (FOR):       No         No control 2006/LIC (FEI):       No         No	_				1e 2688 (overall)	
BU Directive 2020/BS/BE (BLV):       Yrs         EU Directive 2020/BS/BE (WEEE):       Yrs         EU Directive 2020/BEC (WEEE):       Yrs         EU Directive 2020/BEC (WEEE):       Yrs         EU Directive 2020/BEC (WEEE):       Yrs         FU Directive 2020/BEC (WEEE):       Nrs         FU Directive 2020/BE				Yes		
EU Dinctive 20292650 (htth8):         Yes           EU Dinctive 20292650 (wtte8):         Yes           EU Dinctive 20292670 (wtte8):         Yes           EU Dinctive 20292670 (wtte8):         Yes           EU Dinctive 2029271160 (SFR):         Yes           Mit Order 2029 (Wtte8 & Cable):         Yes           Mit Order 2029 (Chat Asit):         Yes           Chat Asit Asit Asit Asit Asit Asit Asit Asi	EU CE Ma	ark:		No		
EU RothS Compliance Date (mmiddlyyyy):         0101/2004           EU Directive 2002/94/EC (VFEE):         Yres           CA Prop 64 (C) for Wire A Cables:         Yres           BC Orgen:         No	EU Direct	tive 2000/53/EC (ELV):		Yes		
EU Directive 2020/BEC (WEEE):         Yes           EU Directive 2020/BEC (WEEE):         Yes           EU Directive 2020/BEC (WEEE):         Yes           Mill odder 39 (Chan Roth):         Yes           Mill odder 30 (Chan Roth):         Yes           Mill odder 30 (Chan Roth):         Yes           Bit Type:         Mill           Bit Type:         Mill           Bit Type:         No           Control Chan Control (Chan Roth):         No           Directive 2020/BEC (WEEE):         No           Control Chan Control (Chan Roth):         No           Directive 2020/BEC (WeeR):         No           Top Statese (Chan Roth):         No           Directive 2020 (Chan Roth):	EU Direct	tive 2002/95/EC (RoHS):		Yes		
EU Directive 2005/11/EC (BFR):         Yes           CA Prop 65 (CJ for Wink & Cabab):         Yes           Nill Cher and SQ (Chan Rolls):         Yes           Nill Cher and SQ (Chan Rolls):         Yes           Roll Type:         Noi           utability:         Noi           control Characteristics (Overall):         Noi           contandotor (Overall):         Noi	EU RoHS	Compliance Date (mm/dd	i/yyyy):	01/01/2004		
CA Prop 69 (CJ for Wire & Cable):         Yes           Mil Core #39 (China RoH5):         Yes           RG Type:         Mil           Uibbility         No           Core #39 (China RoH5):         No           Core #30 (China RoH5):         No	EU Direct	tive 2002/96/EC (WEEE):		Yes		
CA Prop 85 (CJ for Wire & Cable):         Yes           MB Coper 439 (China RotS):         Yes           R0 Type:         Ms           uttability         Ms           intervention         Ms           uttability         Ns           Benum (YN):         No           certrical Characteristics (Overall)         No.           No. Capacitance Cond. to Other Conductor & Shield:         Capacitance (Sim)           Capacitance (Sim)         Science (Sim)           To         Sc	EU Direct	tive 2003/11/EC (BFR):		Yes		
Mill         Vici           R0 Type:         Min           utability         Min           utability         No           RemmiNon-Plenum         No           RemiNon-Plenum         No           Reminity Notice (One Conductor & Shield:         Coperations (Plenum)           Science (Plenum)         Science (Plenum)           Science (Plenum) <td< td=""><td></td><td></td><td></td><td>Yes</td><td></td><td></td></td<>				Yes		
Mail           R6 Type:         Mail           Uitability         No           Perum (VN):         No           Catalantial Control						
utiability         to           Penum (r/M):         to           certical Characteristics (Overall)						
Inclusion-release Princip (YR): bo Princip (YR						
cerical Characteristics (Overall) om. Characteristics (Domenation of the Other Conductor & Shield: Capacitance Grom 507:03 contal Micolay of Propagation: VF 00 72 73 74 75 75 75 75 75 75 75 75 75 75		-Plenum				
om. Charactoristic Impedance: Impedance (DIMI) predence (DIMI) sor. Capacitance (Cond. to Other Conductor & Shield: Capacitance (DFM) sor. Table (Defm) sor. Table (DFM) a. Sor. Table (DFM) a. Sor. Conductor OF Resistance: DER 202 (Chrinking) 20. Sor. Conductor OF Resistance: Sor. Conductor OF Resistance: DER 202 (Chrinking) 20. Sor. Conductor OF Resistance: Sor. Conduct	Plenum (	Y/N):		No		
om. Characteristic Impedance: [offm] m. Capacitance (Offm) Sor. 73	actrical C	harastaristics (Over	roll)			
Implementation         Implementation           Implementation <td< th=""><th>lom. Capacita</th><th></th><th>uctor &amp; Shield:</th><th></th><th></th><th></th></td<>	lom. Capacita		uctor & Shield:			
DCR @ 20°C (Ohm/km)           282.1           coninal Outer Shield D. Resistance:           DCR @ 20°C (Ohm/km)           31.1095           om. Attouation:           Frag. (MH2)         Attouation (df/100m)           1         2.6248           5         4.9215           30         13.124           50         17.7174           100         26.9042           200         41.025           400         62.0109           700         86.9445           900         101.055           1000         107.817           4x:         Optimum Return Loss:           Poscription Freq. (MH2) Storp Freq. (MH2) Min. RL (dB)           10         40           25           weep Testing:         100% sweep tested. 10MHz to 40MHz.	78 ominal Delay Delay (ns/n					
Image: Sever Testing:       10       200       41       26       24         10       7.2182       30       13.124       100       26.9042         200       41.0125       100       26.9042       100       200       41.0125       100       26.9042       100       100       26.9042       100       10       26.9042       100       10.05       100       10.05       100       10.05       100       10.05       100       10.05       100       10.0	328.1 Iominal Outer DCR @ 20°	r Shield DC Resistance:				
Freq. (MHz) Attenuation (dB/100m)         1       2.6248         5       4.9215         10       7.2182         30       13.124         50       17.7174         100       26.9042         200       41.0125         400       62.0109         700       86.9465         900       101.055         1000       107.617         1000       107.617         1000       NMS (UL AWM Style 1354)         300 V RMS (CL2)       Inimum Return Loss:         Description Freq. (MHz) Stop Freq. (MHz) Min. RL (dB)         10       10         10       40         25         weep Testing:       100% sweep tested. 10MHz to 40MHz.         at Ups and Colors:						
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10       7.2182         30       13.124         50       17.7174         100       26.9042         200       41.0125         400       62.0109         700       86.9465         900       101.055         1000       107.617         ax. Operating Voltage - UL:         Voltage 300 V RMS (UL AWM Style 1354) 300 V RMS (CL2)         inimum Return Loss:         Description Freq. (MHz) Start Freq. (MHz) Stop Freq. (MHz) Min. RL (dB) 10         10       40         25         weep Test         Sweep Testing:       100% sweep tested. 10MHz to 40MHz.						
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50       17.7174         100       26.9042         200       41.0125         400       62.0109         700       86.9465         900       101.055         1000       107.617         ax. Operating Voltage - UL:         Voltage 30 V RMS (UL AWM Style 1354) 300 V RMS (CL2)         inimum Return Loss:         Description       Freq. (MHz)       Stop Freq. (MHz)       Min. RL (dB)         10       40       25         weep Test       100% sweep tested. 10MHz to 40MHz.         stups and Colors:       100% sweep tested. 10MHz to 40MHz.	1					
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900       101.055         1000       107.617         ax. Operating Voltage - UL:         Voltage         30 V RMS (UL AWM Style 1354)         300 V RMS (CL2)         inimum Return Loss:         Description Freq. (MHz) Start Freq. (MHz) Stop Freq. (MHz) Min. RL (dB)         10       40         25         weep Test         Sweep Testing:       100% sweep tested. 10MHz to 40MHz.	400					
1000       107.617         ax. Operating Voltage - UL:         Voltage         30 V RMS (UL AWM Style 1354)         300 V RMS (CL2)         inimum Return Loss:         Description Freq. (MHz) Start Freq. (MHz) Stop Freq. (MHz) Min. RL (dB)         10       40         25         weep Test         Sweep Testing:       100% sweep tested. 10MHz to 40MHz.						
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10     40     25       weep Test     Sweep Testing:     100% sweep tested. 10MHz to 40MHz.	inimum Retu	Irn Loss:				
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				100% sweep tested. 10MHz to 40	MHz.	
	ut Ups and	d Colors:				
			Ship Weight	Color	Item Desc	
		Putup	Ship Weight	NOLES		

## **Detailed Specifications & Technical Data**



#### METRIC MEASUREMENT VERSION

#### 1521A Coax - Bundled RGB Coaxial Cables Miniature Type

1521A 0101000	1,000 FT	59.000 LB	BLACK	С	4 #30 FHDPE BRD PVC FS PVC
1521A 010500	500 FT	31.000 LB	BLACK	С	4 #30 FHDPE BRD PVC FS PVC

Notes: C = CRATE REEL PUT-UP.

Revision Number: 4 Revision Date: 08-20-2012

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