Detailed Specifications & Technical Data



1407B Coax - Bundled RGB Coaxial Cable High Flex Type



For more Information please call

1-800-Belden1



General Description:

26 AWG stranded (7x34) .019" bare copper conductors, foam HDPE insulation, Duofoil@ + tinned copper braid shield (95% coverage), overall PVC jacket.

Physical Characteristics (Ov	erall)	
Conductor	,	
AWG: # Coax AWG Stranding Condu	ester Material Dia (mm)	
	are Copper 0.4826	
Total Number of Conductors:		4
		*
Insulation Insulation Material:		
Insulation Material	Dia. (mm)	
FHDPE - Foam High Density Poly	ethylene 2.2606	
Inner Shield Inner Shield Material:		
Layer # Inner Shield Trade Nam	e Type Inner Shield Material	Coverage (%)
1 Duofoil®	Tape Aluminum Foil-Polyester Tap	
2	Braid TC - Tinned Copper	95.000
Inner Jacket		
Inner Jacket Material: Inner Jacket Material Nom. D	ia. (mm)	
PVC - Polyvinyl Chloride 3.7084		
Inner Jacket Color Code Chart:		
Number Color		
1 Red		
2 Green		
3 Blue		
4 White		
Outer Shield Outer Shield Material:		
Outer Shield Material		
Unshielded		
Outer Jacket		
Outer Jacket Material:		
Outer Jacket Material		
PVC - Polyvinyl Chloride		
Overall Cable		
Overall Cabling Separator Materi	ial: F	Polyester Tape
Overall Nominal Diameter:		11.049 mm
Mechanical Characteristics (
Operating Temperature Range:		40°C To +60°C
Non-UL Temperature Rating:	6	60°C
Bulk Cable Weight:		138.403 Kg/Km
Max. Recommended Pulling Ten	sion:	613.852 N
Min. Bend Radius/Minor Axis:		114.300 mm
Applicable Specifications an	d Agency Compliance (Ove	rall)
Applicable Standards & Environ		
EU Directive 2011/65/EU (ROHS	II):	Yes

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

1407B Coax - Bundled RGB Coaxial Cable High Flex Type

EU C martie No EU Deriver 2003/DSEC (EU/F): Yes EU Deriver 2003/DSEC (Rests): Yes Control PSE (CJ or Wire & Cabas): Yes Other Spacification: SMPTE Mill SEU Mill SEU Personn (Nrs): No Personn (Nrs): No Personn (Nrs): No	EU CF							
EU Directive 2002/36/EC (RoHS): Yes EU RoHS Compliance Date (mmiddyyyy): 010102004 EU Directive 2002/36/EC (WEEE): Yes EU Directive 2002/36/EC (WEEE): Yes EU Directive 2002/36/EC (WEEE): Yes ED Directive 2002/36/EC (WEEE): Yes Moder #30 (China RoHS): Yes Moder #30 (China RoHS): No Rot Type: Mein Sau Plance To Characteristics (Overall) No Non. Characteriate Impedance: Impedance (Ohn) Moder Weit Shield: Specification for Conductor & Shield: Specification: Moder Weit Shield: Specification (Conductor & Shield: Specification: Weit Specification: Specification: Specification:<								
EU RoHS Compliance Date (mm/dd/yyyy): 0101/2004 EU Directive 2002/H9EC (WEEE): Yes EU Directive 2003/H1EC (BER): Yes GL Prog 55 (China RoHS): Yes Morder #38 (China RoHS): Yes Other #38 (China RoHS): Yes Other #38 (China RoHS): Wes Other #38 (China RoHS): No Ro Type: Min SBU Horder #38 (China RoHS): No Concentration: No	EU Dire	ective 2000/53/EC (EL	_V):		Yes			
EU Directive 2002/96/EC (WEEE): Yes ED Directive 2003/11/EC (BFR): Yes CA Prop 86 (C1 for Wire A Cable): Yes CM Order 582 (China Ronis): SMPTE Ro Type: Min 1660 Other Specification: SMPTE Ro Type: Min 1660 Plenum (7/h): No Plenum (7/h): No Impedance (100m) Min 1660 Statistication: Min 1660 Statistication: No Impedance (100m) No Statistication: No Statisticatione (100m) No <tr< td=""><td>EU Dire</td><td>ective 2002/95/EC (Ro</td><td>oHS):</td><td></td><td>Yes</td><td></td><td></td></tr<>	EU Dire	ective 2002/95/EC (Ro	oHS):		Yes			
EU Directive 2003/11/EC (BFR):: Yes CA Prop BS (C.) for War & C.subo):: Yes Mit Ordr #30 (Chan & Rolfs):: Yes Other Specification:: SMPTE RG Type: Mit 56/U Plenum (YM): No Certifical Characteristic (Overall) Interspecification:: Certifical Characteristic (Overall) Interspecification:: Interspecification:: No Certifical Characteristic Impedance: Interspecification:: Interspecification:: Specification:: Interspecification:: Specifi	EU Rol	HS Compliance Date	(mm/dd/yyyy):		01/01/2004			
CA Prop 65 (CJ for Wire 6 Cable): Yes Mit Order #39 (China RoH5): Yes Other #39 (China RoH5): Min 59/U Ro Type: Min 59/U Plenum (Y/N): No Interacteristic (Overall) Min 59/U Interacteristic (Overall)	EU Dire	ective 2002/96/EC (W	EEE):		Yes			
Mil Over #30 (China RoH3): Yes Other Specification: SMPTE RG Type: Min SSU Plenum (Vf): No Impedance: Impedance:	EU Dire	ective 2003/11/EC (BF	R):		Yes			
Mil Over #30 (China RoH3): Yes Other Specification: SMPTE RG Type: Min SSU Plenum (Vf): No Impedance: Impedance:	CA Pro	op 65 (CJ for Wire & C	able):		Yes			
Other Specification: SMPTE RG Type: Mini 59U Penum (YN): No Penum (YN): No Catacateristics (Overall) Impactance (Omm) Impactance (Omm) Impactance (Omm)			,					
Ro Type: Min 159U Penum (YN): No Ionum (YN): Solution (YN) Ionum (YN): Solution (YN) Ionum (YN): Ionum (YN			·					
Defense No Incritical Characteristics (Overall)		-						
Penum (Yin): No Description: Implant Colspan="2">Implant Colspan="2" Implant Colspant Colspant Colspan="2" <td col<="" td=""><td></td><td></td><td></td><td></td><td>Mini 59/U</td><td></td><td></td></td>	<td></td> <td></td> <td></td> <td></td> <td>Mini 59/U</td> <td></td> <td></td>					Mini 59/U		
Inctricie Inctricie Impedance (Om) 75 Stant. Capacitance (of Fin) Stantance (on to Other Conductor & Shield: Capacitance (of Fin) Stantance (of Fin) Stantance (of Fin)					NI-			
Image and a construction Image a					NO			
Impedance (Ohm) 75 conc. Capacitance Cond. to Other Conductor & Shield: Gapacitance (F/m) 67:13 57:13 Tominal Volocity of Propagation: VP (%) 72 tominal Volocity of Propagation: VP (%) 72 tominal Volocity of Propagation: VP (%) 42653 tom. Conductor DC Resistance: DCR 20'C (Ohm/m) 13:162 22:165 tom. Attenuation: Tominal Volocity of 17:1714 100 5:0558 100 1:1711 100 3:1627 100 3:1627 100 3:1224 100 3:1224 100 3:1224 100 3:1224 100 3:1224 100 3:1224 100 3:1224 100 3:1224 100 3:1224 100 3:1224 100 3:1224 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>								
1 1.9686 5 4.2653 10 5.9058 30 10.1711 50 12.7959 100 17.7174 200 24.6075 400 34.1224 700 44.2935 900 49.8712 1000 52.1679	Capacita 56.7613 Nominal Vel VP (%) 78 Nominal De Delay (ns 4.2653	Ince (pF/m) locity of Propagation	:					
5 4.2653 10 5.9058 30 10.1711 50 12.7959 100 17.7174 200 24.6075 400 34.1224 700 44.2935 900 49.8712 1000 52.1679	136.162 Nom. Inner DCR @ 2 28.2166 Nom. Attenu	Shield DC Resistance 20°C (Ohm/km) uation:	9:					
30 10.1711 50 12.7959 100 17.7174 200 24.6075 400 34.1224 700 44.2935 900 49.8712 1000 52.1679 Wax. Operating Voltage - Non-UL: Voltage	136.162 Nom. Inner DCR @ 2 28.2166 Nom. Attenu Freq. (M	Shield DC Resistance 20°C (Ohm/km) uation: Hz) Attenuation (dB/7	9:					
50 12.7959 100 17.7174 200 24.6075 400 34.1224 700 44.2935 900 49.8712 1000 52.1679 Wax. Operating Voltage - Non-UL: Voltage	136.162 Nom. Inner 28.2166 Nom. Attent Freq. (MI 1	Shield DC Resistance 20°C (Ohm/km) uation: Hz) Attenuation (dB/ 1.9686	9:					
100 17.7174 200 24.6075 400 34.1224 700 44.2935 900 49.8712 1000 52.1679 Max. Operating Voltage - Non-UL: Voltage	136.162 Iom. Inner 28.2166 Iom. Attenu Freq. (MI 1 5 10	Shield DC Resistance 20°C (Ohm/km) uation: Hz) Attenuation (dB/7 1.9686 4.2653 5.9058	9:					
200 24.6075 400 34.1224 700 44.2935 900 49.8712 1000 52.1679 Max. Operating Voltage - Non-UL: Voltage	136.162 Nom. Inner 28.2166 Nom. Attent Freq. (MI 1 5 10 30	Shield DC Resistance 20°C (Ohm/km) uation: Hz) Attenuation (dB/ 1.9686 4.2653 5.9058 10.1711	9:					
400 34.1224 700 44.2935 900 49.8712 1000 52.1679 Max. Operating Voltage - Non-UL: Voltage	136.162 Nom. Inner (28.2166 Nom. Attent Freq. (Mi 1 5 10 30 50	Shield DC Resistance 20°C (Ohm/km) uation: Hz) Attenuation (dB/7 1.9686 4.2653 5.9058 10.1711 12.7959	9:					
900 49.8712 1000 52.1679 Max. Operating Voltage - Non-UL: Voltage	136.162 Nom. Inner DCR @ 2 28.2166 Nom. Attent Freq. (MI 1 5 10 30 50 100	Shield DC Resistance 20°C (Ohm/km) uation: Hz) Attenuation (dB/ 1.9686 4.2653 5.9058 10.1711 12.7959 17.7174	9:					
1000 52.1679 Max. Operating Voltage - Non-UL: Voltage	136.162 Nom. Inner DCR @ 2 28.2166 Nom. Attenue 1 5 10 30 50 100 200	Shield DC Resistance 20°C (Ohm/km) uation: Hz) Attenuation (dB/ 1.9686 4.2653 5.9058 10.1711 12.7959 17.7174 24.6075	9:					
Max. Operating Voltage - Non-UL: Voltage	Table Table 136.162 1 DCR @ 2 2 28.2166 1 5 1 10 30 50 100 200 400 700 1	Shield DC Resistance 20°C (Ohm/km) uation: Hz) Attenuation (dB/ 1.9686 4.2653 5.9058 10.1711 12.7959 17.7174 24.6075 34.1224 44.2935	9:					
	Tere Contemport 100 100 100 200 400 700 900 900	Shield DC Resistance 20°C (Ohm/km) uation: Hz) Attenuation (dB/ 1.9686 4.2653 5.9058 10.1711 12.7959 17.7174 24.6075 34.1224 44.2935 49.8712	9:					
	136.162 Iom. Inner DCR @ 2 28.2166 Nom. Attent 1 5 10 30 50 1000 2000 4000 7000 9000 10000 Max. Operat Voltage 300 V RM	Shield DC Resistance 20°C (Ohm/km) uation: Hz) Attenuation (dB/ 1.9686 4.2653 5.9058 10.1711 12.7959 17.7174 24.6075 34.1224 44.2935 49.8712 52.1679 ting Voltage - Non-UL AS eturn Loss: ion Freq. (MHz) Star	e: 100m) 	Stop Freq. (MHz) Min.	RL (dB)			
10 40 25	I36.162 Nom. Inner DCR @ 2 28.2166 Nom. Attenu Freq. (MI 1 5 100 200 400 700 900 1000 Max. Operat Voltage 300 V RM Minimum Ref	Shield DC Resistance 20°C (Ohm/km) uation: Hz) Attenuation (dB/ 1.9686 4.2653 5.9058 10.1711 12.7959 17.7174 24.6075 34.1224 44.2935 49.8712 52.1679 ting Voltage - Non-UL AS eturn Loss: ion Freq. (MHz) Star	e: 100m) 		RL (dB)			
10 40 25 Sweep Test	136.162 Nom. Inner DCR @ 2 28.2166 Nom. Attenue Freq. (MI 1 5 100 200 400 700 900 1000 Wax. Operat Voltage 300 V RM	Shield DC Resistance 20°C (Ohm/km) uation: Hz) Attenuation (dB// 1.9686 4.2653 5.9058 10.1711 12.7959 17.7174 24.6075 34.1224 44.2935 49.8712 52.1679 ting Voltage - Non-UL //S eturn Loss: ion Freq. (MHz) Star 10	e: 100m) 		RL (dB)			
	136.162 Nom. Inner DCR @ 2 28.2166 Nom. Attenue Freq. (MI 1 5 100 30 50 100 200 400 700 900 1000 Max. Operat Voltage 300 V RM Minimum Re Descript	Shield DC Resistance 20°C (Ohm/km) uation: Hz) Attenuation (dB// 1.9686 4.2653 5.9058 10.1711 12.7959 17.7174 24.6075 34.1224 44.2935 49.8712 52.1679 ting Voltage - Non-UL /IS eturn Loss: ion Freq. (MHz) Star 10 st	e: 100m) 					
Sweep Testing: 100% sweep tested 10 MHz to 40 MHz.	136.162 Nom. Inner DCR @ 2 28.2166 Nom. Attenu 1 5 100 30 50 100 200 400 700 900 1000 Max. Operation Voltage 300 V RN Minimum Re Descript Sweep	Shield DC Resistance 20°C (Ohm/km) uation: Hz) Attenuation (dB/ 1.9686 4.2653 5.9058 10.1711 12.7959 17.7174 24.6075 34.1224 44.2935 49.8712 52.1679 ting Voltage - Non-UL AS seturn Loss: ion Freq. (MHz) Star 10 10 St Testing:	2: 100m) 					
Sweep Test Sweep Testing: 100% sweep tested 10 MHz to 40 MHz. Iisc. Information (Overall)	136.162 Nom. Inner DCR @ 2 28.2166 Nom. Attent 1 5 10 30 50 100 200 400 700 900 1000 Max. Operat Voltage 300 V RI Minimum Re Descript Sweep Test Sweep Test	Shield DC Resistance 20°C (Ohm/km) uation: Hz) Attenuation (dB/ 1.9686 4.2653 5.9058 10.1711 12.7959 17.7174 24.6075 34.1224 44.2935 52.1679 ting Voltage - Non-UL /S eturn Loss: ion Freq. (MHz) Star 10 st Testing:	2: 100m) 					
Sweep Test	136.162 Nom. Inner DCR @ 2 28.2166 Nom. Attent 1 5 10 30 50 100 200 400 700 900 1000 Max. Operat Voltage 300 V RI Minimum Re Descript Sweep Test Sweep Test	Shield DC Resistance 20°C (Ohm/km) uation: Hz) Attenuation (dB/ 1.9686 4.2653 5.9058 10.1711 12.7959 17.7174 24.6075 34.1224 44.2935 52.1679 ting Voltage - Non-UL /S eturn Loss: ion Freq. (MHz) Star 10 st Testing:	2: 100m) 					
Sweep Test Sweep Testing: 100% sweep tested 10 MHz to 40 MHz. Ilisc. Information (Overall) Ut Ups and Colors:	136.162 Nom. Inner DCR @ 2 28.2166 Nom. Attenu Freq. (MI 1 5 10 30 50 100 200 400 700 900 1000 Max. Operat Voltage 300 V RM Minimum Re Descript Sweep Test Sweep Test	Shield DC Resistance 20°C (Ohm/km) uation: Hz) Attenuation (dB/ 1.9686 4.2653 5.9058 10.1711 12.7959 17.7174 24.6075 34.1224 44.2935 49.8712 52.1679 ting Voltage - Non-UL AS eturn Loss: ion Freq. (MHz) Star 10 st Testing: rmation (Overal ind Colors:	2: 100m) 	10 25	100% sweep tested 10 MHz to 40 MHz.	Notes	Item Desc	

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

1407B Coax - Bundled RGB Coaxial Cable High Flex Type

Notes: C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 09-25-2012

© 2015 Belden, Inc All Rights Reserved

All hough 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. The information provided in 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.