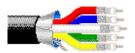
Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



1522A Coax - Bundled RGB Coaxial Cables Miniature



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 jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
5	30	7x38	TC - Tinned Copper	0.3302

Total Number of Conductors: 5

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FHDPE - Foam High Density Polyethylene	1.4224

Inner Shield

Inner Shield Material:

Layer #	Inner Shield Trade Name	Туре	Inner Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
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
5	Yellow

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 8.585 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +60°C

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Detailed Specifications & Technical Data





1522A Coax - Bundled RGB Coaxial Cables Miniature

UL Temperature Rating:	60°C (UL AWM Style 1354)
Bulk Cable Weight:	93.757 Kg/Km
Max. Recommended Pulling Tension:	311.374 N
Min. Bend Radius/Minor Axis:	88.900 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL2
AWM Specification:	UL Style 1354 (each coax); UL Style 2688 (overall)
EU CE Mark:	No
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
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:	Mini

Suitability

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 31.1695

Nom. Attenuation:

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					

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Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



1522A Coax - Bundled RGB Coaxial Cables Miniature

400	62.0109
700	86.9465
900	101.055
1000	107.617

Max. Operating Voltage - UL:

Voltage
30 V RMS (UL AWM Style 1354)
300 V RMS (CL2)

Minimum Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		10	40	25

Sweep Test

Sweep Testing:

100% sweep tested 10 MHz to 40 MHz.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1522A 0101000	305 MT	30.391 KG	BLACK	С	5 #30 FHDPE BRD PVC FS PVC
1522A 010500	152 MT	15.649 KG	BLACK	С	5 #30 FHDPE BRD PVC FS PVC

Notes:

C = CRATE REEL PUT-UP.

Test Reports

i) UL Test Reports are available on-line through the UL Client Document Access web portal. ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

b) CŚA

i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.

ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

Revision Number: 3 Revision Date: 04-11-2008

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^{*} other test data may be available if requested at time of order.