

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

1281S6 Coax - Banana Peel® Unjacketed Bundles Minin Hi-Res Component Video



For more Information
please call

1-800-Belden1



General Description:

25 AWG solid .018" tinned copper conductors, foam HDPE insulation, Duobond® foil plus a tinned copper interlocked serve shield (95% coverage), inner PVC jacket.

Usage (Overall)

Suitable Applications: RGB, VGA, SVGA, XGA, SXGA, UXGA, HDTV, LCD, Plasma, Digital Signage, Component Video, Video Mult, Animation, Special effects

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
6	25	Solid	TC - Tinned Copper	0.4572

Total Number of Conductors: 6

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethylene	1.8796

Inner Shield

Inner Shield Material:

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
1	Duobond®	Tape	Aluminum Foil-Polyester Tape Lightly bonded to dielectric	100
2		Interlocked Serve	TC - Tinned Copper	95

Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	2.8956

Inner Jacket Color Code Chart:

Number	Color
1	Red
2	Green
3	Blue
4	Yellow
5	Black
6	White

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
Unjacketed

Overall Cable

Overall Cabling Fillers: Bonded Spline

Overall Nominal Diameter: 8.687 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +75°C

UL Temperature Rating: 60°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 84.827 Kg/Km

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

1281S6 Coax - Banana Peel® Unjacketed Bundles Minin Hi-Res Component Video

Max. Recommended Pulling Tension:	444.820 N
Min. Bend Radius (Each Coax):	27.940 mm
Min. Bend Radius (Overall):	107.950 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/UL Specification:	CMR
CEC/C(UL) Specification:	CMG
EU Directive 2011/65/EU (ROHS II):	Yes
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):	02/24/2005
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

Applicable Patents:

Country
www.belden.com/p

Flame Test

UL Flame Test:	UL1666 Vertical Shaft
CSA Flame Test:	FT4

Suitability

Suitability - Indoor:	Yes - Risers
-----------------------	--------------

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1282S6, 1280P

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (μH/m)
0.285447

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
55.777

Nominal Velocity of Propagation:

VP (%)
80

Nominal Delay:

Delay (ns/m)
4.06844

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
111.554

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)
17.7174

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.70612
5	3.83877
50	12.1397
100	16.0769

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

1281S6 Coax - Banana Peel® Unjacketed Bundles Minin Hi-Res Component Video

200	21.9827
400	31.1695
750	43.9654
900	49.215
1000	51.8398
3000	102.367

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Operating Voltage - Non-UL:

Voltage
300 V RMS

Minimum Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		5	850	20

Sweep Test

Sweep Testing: 5 - 850 MHz

Notes (Overall)

Notes: For 1281S6 010, all jackets are black and printed "RED/1", "GREEN/2", "BLUE/3", "YELLOW/4", "BLACK/5", and "WHITE/6".

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1281S6 0001000	1,000 FT	61.000 LB	NONE	C	6C25 RGBHVC
1281S6 000500	500 FT	31.500 LB	NONE	C	6C25 RGBHVC
1281S6 0101000	1,000 FT	67.000 LB	BLACK	C	6C25 RGBHVC
1281S6 010500	500 FT	32.000 LB	BLACK	C	6C25 RGBHVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 4 Revision Date: 08-22-2012

© 2015 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.