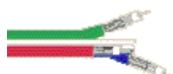


Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

1281S3 Coax - Banana Peel® Unjacketed Bundles Mini 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)
3	25	Solid	TC - Tinned Copper	0.4572

Total Number of Conductors:

3

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	Bonded Duofoil®	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

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: 6.248 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: 37.205 Kg/Km

Max. Recommended Pulling Tension: 222.410 N

Min. Bend Radius (Each Coax): 27.940 mm

Detailed Specifications & Technical Data



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Min. Bend Radius (Overall): 63.500 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
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Flame Test

UL Flame Test:	UL1666 Vertical Shaft
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Suitability

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	1282S3, 1277P

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)	75
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Nom. Inductance:

Inductance (μ H/m)	0.285447
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Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)	55.777
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Nominal Velocity of Propagation:

VP (%)	80
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Nominal Delay:

Delay (ns/m)	4.06844
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Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)	111.554
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Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)	17.7174
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Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.70612
5	3.83877
50	12.1397
100	16.0769
200	21.9827
400	31.1695
750	43.9654
900	49.215
1000	51.8398
3000	102.367

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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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1281S3 0001000	1,000 FT	27.000 LB	NONE	C	3C25 RGB
1281S3 000500	500 FT	14.500 LB	NONE	C	3C25 RGB

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 4 Revision Date: 02-28-2014

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