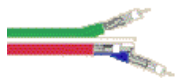


1282S3 Coax - Banana Peel® Unjacketed Bundles Mini Hi-Res Component Video



For more Information
please call

1-800-Belden1



General Description:

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

Usage (Overall)

Suitable Applications:

RGB, VGA, SVGA, XGA, SXGA, UXGA, HDTV, LCD, Plasma, Digital Signage, Component Video, Video Mult, Animation, Special effects. Suitable for use in Plenum spaces

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)
FPFA - Foam Perfluoroalkoxy	1.905

Inner Shield

Inner Shield Material:

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Aluminum Foil-Poly Tape-Aluminum	100
2		Interlocked Serve	TC - Tinned Copper	95

Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
Plenum Grade 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:

-20°C To +75°C

UL Temperature Rating:

60°C

Non-UL Temperature Rating:

75°C

Bulk Cable Weight:

44.646 Kg/Km

Max. Recommended Pulling Tension:

400.338 N

Min. Bend Radius (Each Coax):

27.940 mm

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Min. Bend Radius (Overall): 63.500 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2006
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: NFPA 262

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 1281S3, 1277R

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/m)
0.285447

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
55.1208

Nominal Velocity of Propagation:

VP (%)
81

Nominal Delay:

Delay (ns/m)
4.13406

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	1.6405
5	3.9372
50	12.4678
100	17.0612
200	23.2951
400	32.81
750	46.9183
1000	55.4489

METRIC MEASUREMENT VERSION

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2250	83.6655
3000	111.226

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
1282S3 0001000	1,000 FT	32.000 LB	NONE	C	3C25 RGB
1282S3 000500	500 FT	17.000 LB	NONE	C	3C25 RGB

Notes:

C = CRATE REEL PUT-UP.

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