

1282S4 Coax - Banana Peel® Unjacketed Bundles Mini Hi-Res Component Video



For more Information
please call

1-800-Belden1



Description:

25 AWG solid .018" tinned copper conductors, plenum, foam FEP insulation, Duobond® foil plus a tinned copper interlocked serve shield (100% 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)
4	25	Solid	TC - Tinned Copper	0.4572

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	Lightly bonded to dielectric 100
2		Inerlocked 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
4	Yellow

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
Unjacketed

Overall Cabling

Overall Cabling Fillers: Bonded Spline

Overall Nominal Diameter: 6.985 mm

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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:	65.481 Kg/Km
Max. Recommended Pulling Tension:	489.302 N
Min. Bend Radius (Each Coax):	27.940 mm
Min. Bend Radius (Overall):	76.200 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
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

Flame Test

UL Flame Test:	NFPA 262
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Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	1281S4, 1278R

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)

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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
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
1282S4 0001000	305 MT	22.226 KG	NONE	C	4C25 RGBS
1282S4 000500	152 MT	11.567 KG	NONE	C	4C25 RGBS

Notes:

C = CRATE REEL PUT-UP.

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