Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



1281S5 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 (100% coverage), inner PVC jacket.

Usage (Overall)

Suitable Applications:

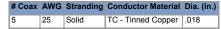
RGB, VGA, SVGA, XGA, SXGA, UXGA, HDTV, LCD, Plasma, Digital Signage, Component Video, Video Mult., Animation, Special Effects, Suitable for use in Risers

5

Physical Characteristics (Overall)

Conductor

AWG:



Total Number of Conductors:

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	.074

Inner Shield

Inner Shield Material:

Layer # Inner Shield Trade Name Type		Туре	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. (in.)
PVC - Polyvinyl Chloride	.114

Inner Jacket Color Code Chart:

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

Outer Shield

Outer Shield Material:



Outer Jacket

Outer Jacket Material:

Outer Jacket Material
Unjacketed

Overall Cable

Overall Cabling Fillers:	Bonded Spline	
Overall Nominal Diameter:	0.308 in.	
echanical Characteristics (Overall)		

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:	46 lbs/1000 ft.
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Max. Recommended Pulling Tension:	83 lbs.				
Min. Bend Radius (Each Coax):	1.100 in.				
Min. Bend Radius (Overall):	3.500 in.				
plicable Specifications and Agency Compliance (Overall)					

App

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:



Flame Test

UL Flame Test: UL1666 Vertical Shaft

Suitability

Suitability - Indoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): Nο Plenum Number: 1282S5

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

Nom. Inductance:

Inductance (µH/ft) .087

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

Nominal Velocity of Propagation:

VP (%) 80

Nominal Delay:

Delay (ns/ft) 1.24

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.52
5	1.17
50	3.7
100	4.9
200	6.7
400	9.5

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750	13.4	
900	15.0	
1000	15.8	
3000	31.2	

Max. Operating Voltage - 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 1281S5 010, all jackets are black and printed "RED/1", "GREEN/2", "BLUE/3", "YELLOW/4", and "BLACK/5"

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1281S5 0001000	1,000 FT	50.000 LB	NONE	С	5C25 RGBSC
1281S5 000250	250 FT	13.000 LB	NONE	С	5C25 RGBSC
1281S5 000500	500 FT	25.000 LB	NONE	С	5C25 RGBSC
1281S5 0101000	1,000 FT	51.000 LB	BLACK	С	5C25 RGBSC
1281S5 010250	250 FT	13.000 LB	BLACK	С	5C25 RGBSC
1281S5 010500	500 FT	25.000 LB	BLACK	С	5C25 RGBSC

Notes:

C = CRATE REEL PUT-UP.

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