

Product: [1281S6C](#) 

Banana Peel® Mini Hi-Res Component Video



Product Description

Banana Peel® 6 Sub-Mini RG-59 coax, 25 AWG solid .018" tinned copper conductor, foam HDPE insulation, Duobond® aluminum foil tape plus a tinned copper interlocked serve shield (95% coverage) with PVC jacket. Cat5e 4 bonded pairs, 24 AWG solid bare copper conductors, polypropylene insulation, PVC jacket with rip cord, overall cable CMR rated.

Technical Specifications

Suitable Applications:	RGB, VGA, SVGA, XGA, SXGA, UXGA, HDTV, Digital Signage, Component Video, Video Mult, Animation, Special effects
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Twisted Pair Conductor

No. of Pairs	Stranding	Material	AWG
4	Solid	BC - Bare Copper	24

Twisted Pair Insulation

Material	Nominal Diameter
PP - Polypropylene	0.038 in

Twisted Pair Outer Jacket

Outer Jacket Material	Outer Jacket Nominal Diameter	Outer Jacket Ripcord
PVC - Polyvinyl Chloride	0.204 in	Yes

Twisted Pair Color Chart

Description	Color
1	Blue & White/Blue
2	Orange & White/Orange
3	Green & White/Green
4	Brown & White/Brown

Twisted Pair Capacitance

Nom Mutual Capacitance
15 pF/ft

Twisted Pair Delay

Max Delay	Max Delay Skew	Nom Vel of Prop (VP)
510 ns/100m	25 ns/100m	70 %

Twisted Pair Maximum Conductor DC Resistance

Max Conductor DCR
90 Ohm/km

Twisted Pair Voltage

UL Voltage Rating
300 V RMS

Twisted Pair Maximum DCR Unbalanced

Max DCR Unbalance
3 %

Twisted Pair Premise Cable

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. NEXT [dB]	Min. PSNEXT [dB]	Min. PSACR [dB]	Min. RL (Return Loss) [dB]	Max./Min. Input Impedance (unFitted)	Min. ACRF (ELFEXT) [dB]	Min. PSACRF (PSELFEXT) [dB]	Min. TCL [dB]
1 MHz	2 dB/100m	69.3 dB	69.3 dB	17.3 dB	20 dB	100 +/- 12 Ohm	65.8 dB	65.8 dB	37 dB
4 MHz	4 dB/100m	60.3 dB	60.3 dB	17.3 dB	23 dB	100 +/- 12 Ohm	53.8 dB	53.8 dB	37 dB
8 MHz	5.7 dB/100m	55.8 dB	55.8 dB	17.3 dB	24.5 dB	100 +/- 12 Ohm	47.7 dB	47.7 dB	37 dB
10 MHz	6.4 dB/100m	54.3 dB	54.3 dB	17.3 dB	25 dB	100 +/- 12 Ohm	45.8 dB	45.8 dB	37 dB
16 MHz	8.1 dB/100m	51.2 dB	51.2 dB	17.3 dB	25 dB	100 +/- 12 Ohm	41.7 dB	41.7 dB	35 dB
20 MHz	9.1 dB/100m	49.8 dB	49.8 dB	17.3 dB	25 dB	100 +/- 12 Ohm	39.8 dB	39.8 dB	34 dB
25 MHz	10.2 dB/100m	48.3 dB	48.3 dB	17.3 dB	25 dB	100 +/- 15 Ohm	37.8 dB	37.8 dB	33 dB
31.25 MHz	11.4 dB/100m	46.9 dB	46.9 dB	17.3 dB	25 dB	100 +/- 15 Ohm	35.9 dB	35.9 dB	32.1 dB
62.5 MHz	16.4 dB/100m	42.4 dB	42.4 dB	17.3 dB	25 dB	100 +/- 15 Ohm	29.9 dB	29.9 dB	29 dB
100 MHz	21 dB/100m	39.3 dB	39.3 dB	17.3 dB	25 dB	100 +/- 15 Ohm	25.8 dB	25.8 dB	27 dB
150 MHz	26 dB/100m	36.7 dB	36.7 dB	3.3 dB	25 dB	100 +/- 18 Ohm	22.3 dB	22.3 dB	25.2 dB
155 MHz	26.5 dB/100m	36.4 dB	36.4 dB	3.3 dB	19 dB	100 +/- 18 Ohm	22 dB	22 dB	25.1 dB
200 MHz	30.4 dB/100m	34.8 dB	34.8 dB	3.3 dB	19 dB	100 +/- 18 Ohm	19.8 dB	19.8 dB	24 dB
250 MHz	34.4 dB/100m	29.3 dB	32.3 dB		18 dB	100 +/- 20 Ohm	17.8 dB	17.8 dB	23 dB
300 MHz	38 dB/100m	28.1 dB	28.1 dB		18 dB	100 +/- 20 Ohm	14.3 dB	14.3 dB	
310 MHz	38.7 dB/100m	27.9 dB	27.9 dB		18 dB	100 +/- 20 Ohm	14 dB	14 dB	
350 MHz	41.4 dB/100m	27.1 dB	27.1 dB		17 dB	100 +/- 22 Ohm	12.9 dB	12.9 dB	
						100 +/- 22 Ohm			
						100 +/- 22 Ohm			

Coax Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax	Insulation Material	Insulation Nominal Diameter
25	Solid	TC - Tinned Copper	0.019 in	6	FPE - Foamed Polyethylene	0.074 in

Coax Insulation

Insulation Material	Insulation Nominal Diameter
FPE - Foamed Polyethylene	0.074 in

Coax Outer Shield

Element	Outer Shield Type	Outer Shield Material	Outer Shield Coverage
1	Tape (Bonded to Dielectric)	Al/polyAl	100 %
2	Interlocking Serve	TC - Tinned Copper	95 %

Coax Outer Jacket

Outer Jacket Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.112 in

Coax High Frequency (Nominal Typical)

Frequency	Nominal Insertion Loss (Attenuation)
1 MHz	0.52 dB/100ft
5 MHz	1.17 dB/100ft
50 MHz	3.7 dB/100ft
100 MHz	4.9 dB/100ft
200 MHz	6.7 dB/100ft
400 MHz	9.5 dB/100ft
750 MHz	13.4 dB/100ft
900 MHz	15.0 dB/100ft
1000 MHz	15.8 dB/100ft
3000 MHz	31.2 dB/100ft

Coax Return Loss

Frequency [MHz]	Min Return Loss (RL)
5 MHz - 850 MHz	20 dB

Overall Cable

Outer Jacket Material

Separator Material
Unjacketed

Separator Material@OuterJacket1 1:	Unjacketed
Operating Temp Range:	-40°C to + 75°C

UL Temp Rating:	75°C
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Applicable Standards & Environmental Programs

NEC/(UL) Compliance:	CMR
CEC/C(UL) Compliance:	CMG
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-02-25
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire and Cable):	Yes
China RoHS II (GB/T 26572-2011):	Yes

Suitability

Suitability - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Below Grade Burial:	No

Flame Test

UL Flammability:	UL1666 Vertical Shaft
CSA Flammability:	FT4

Plenum/Non-Plenum

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

Overall Armor Shield

Variants

Item #	Color	UPC	Length
1281S6C 0001000	None	612825355007	1,000 ft
1281S6C 000500	None	612825354994	500 ft

Update and Revision:	Revision Number: 0.34 Revision Date: 01-31-2020
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