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1-800-Belden1



General Description:

6-25 AWG solid .018" bare copper conductors, FFEP insulation, Beldfoil® (100% coverage) plus a tinned copper serve shield (95% coverage), premium grade PVC inner jackets, premium grade PVC jacket.

Usage (Overall)

Suitable Applications: Video

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
6	25	Solid	BC - Bare Copper	0.457

Total Number of Conductors: 6

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FFEP - Foam FEP	1.880

Inner Shield

Inner Shield Material:

Layer #	Type	Inner Shield Material	Coverage (%)
1	Tape	Aluminum Foil-Poly	100.000
2	Serve	TC - Tinned Copper	95.000

Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
Plenum Grade PVC - Polyvinyl Chloride	2.591

Inner Jacket Color Code Chart:

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

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
Plenum Grade PVC - Polyvinyl Chloride

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 8.534 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: 0°C To +75°C

UL Temperature Rating:	60°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	104.174 Kg/Km
Max. Recommended Pulling Tension:	729.505 N
Min. Bend Radius (Each Coax):	27.940 mm
Min. Bend Radius (Overall):	88.900 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:	No
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	06/28/2012
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, UL910 Plenum
C(UL) Flame Test:	FT6

Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	1396R

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
55.777

Nominal Velocity of Propagation:

VP (%)
80.000

Nominal Delay:

Delay (ns/m)
16.405

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	1.312
5.000	2.953
50.000	12.140
100.000	16.405

METRIC MEASUREMENT VERSION

1396P Coax - RGB Component Video Cable

200.000	22.967
400.000	32.810
750.000	47.575
1000.000	55.777
2250.000	57.418
3000.000	121.397

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Operating Voltage - Non-UL:

Voltage
300 V RMS

Minimum Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
5.000	850.000	15.000

Sweep Test

Sweep Testing: 5 - 1000 MHz

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1396P 0081000	305 MT	26.762 KG	GRAY		6 X #25 FFEP SH FLRST FLRST
1396P 008500	152 MT	14.288 KG	GRAY		6 X #25 FFEP SH FLRST FLRST

Revision Number: 1 Revision Date: 12-07-2012

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