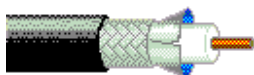


## 1282P Coax - 75 Ohm Miniature Coax



For more Information  
please call

1-800-Belden1

**General Description:**

25 AWG solid .018" tinned copper conductor, FPFA insulation, Duobond® plus a 95% tinned copper interlocked serve shield, Flamarrest® jacket.

**Usage (Overall)****Suitable Applications:**

Analog Video, Digital Video, Mini Hi-Res, video, VGA, SVGA, 825, RGB, Composite Video, Component Video, Video Distribution, Graphic Displays, special effects editing, animation, post production. Home Theater, boardrooms, office, casino, church, synagogue, house of worship, teleconferencing

**Physical Characteristics (Overall)****Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	25.0	Solid	TC - Tinned Copper	0.4572

Total Number of Conductors: 1

**Insulation****Insulation Material:**

Insulation Material	Dia. (mm)
FPFA - Foam Perfluoroalkoxy	1.8796

**Outer Shield****Outer Shield Material:**

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Light Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	95

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Trade Name	Outer Jacket Material
Flamarrest®	F-R PVC - Flame Retardant Polyvinyl Chloride

**Overall Cable**

Overall Nominal Diameter: 3.099 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: 14.882 Kg/Km

Max. Recommended Pulling Tension: 102.309 N

Min. Bend Radius/Minor Axis: 38.100 mm

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC(UL) Specification: CMP

## 1282P Coax - 75 Ohm Miniature Coax

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 &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

## Flame Test

UL Flame Test: NFPA 262

CSA Flame Test: FT6

## Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: No

Suitability - Aerial: No

## Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 1281R

## Electrical Characteristics (Overall)

## Nom. Characteristic Impedance:

Impedance (Ohm)

75

## Nom. Inductance:

Inductance (μH/m)

0.347786

## Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

55.777

## Nominal Velocity of Propagation:

VP (%)

81

## Nominal Delay:

Delay (ns/m)

4.98712

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

104.336

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

19.0298

## Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100m)

1 1.3124

5 2.9529

50 12.1397

100 16.405

200 22.967

## 1282P Coax - 75 Ohm Miniature Coax

400	32.81
700	47.5745
900	55.777
1000	57.4175
3000	121.397

**Max. Operating Voltage - UL:**

Voltage
300 V RMS

**Other Electrical Characteristic 1:** Impedance tested in accordance with ASTM D-4566 paragraph 43.2, option 2 using a 75 Ohm fixed bridge and termination. 75 +/- 3 Ohms

**Other Electrical Characteristic 2:** Return Loss tested in accordance with ASTM D-4566 paragraph 45.3, using a 75 Ohm fixed bridge and termination.

**Minimum Return Loss:**

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		5	850	20

**Sweep Test**

**Sweep Testing:** 100% Sweep tested 5 MHz to 850 MHz.

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1282P 0101000	305 MT	4.990 KG	BLACK	C	#25 FPFA SH PVC

**Notes:**

C = CRATE REEL PUT-UP.

**Test Reports****a) UL**

- i) UL Test Reports are available on-line through the UL Client Document Access web portal.
- ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

**b) CSA**

- i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
- ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

\* other test data may be available if requested at time of order.

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