Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



1281R Coax - 75 Ohm Miniature Coax

For more Information please call

1-800-Belden1



Description:

25 AWG solid .018" tinned copper conductor, gas-injected foam HDPE insulation, lightly bonded aluminum foil-polyester tape-aluminum foil shield with a 95% tinned copper braid shield, PVC jacket.

Usage (Overall)

Suitable Applications:

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

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	25.0	Solid	TC - Tinned Copper	.018

Insulation

Insulation Material:

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

Outer Shield

Outer Shield Material:

Layer #	ayer # 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 Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.114 in.

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:	8 lbs/1000 ft.
Max. Recommended Pulling Tension:	23 lbs.
Min. Bend Radius (Install)/Minor Axis:	1.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG

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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



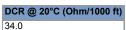
Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



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
700	13.4
900	15.0
1000	15.8
3000	31.2

Max. Operating Voltage - UL:

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Voltage

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) 850 20

Sweep Test

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

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1281R 0101000	1,000 FT	10.000 LB	BLACK	С	#25LDPE/GIFHDLDPE SH FRPVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 01-15-2008

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