

## 1277A Coax - High-Flex Type and Bundled RGB Coaxial Cable



**Obsolete  
Call  
1-800-BELDEN1**

For more Information  
please call

1-800-Belden1

**Description:**

3 coaxes. Each coax 25 AWG Solid .0179" tinned copper conductor, FPE insulation, Duofoil® and a 95% tinned copper braid shield, inner PVC jacket, overall PVC jacket.

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

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
3	25	Solid	TC - Tinned Copper	.0179

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

Insulation Material	Dia. (in.)
FPE - Foam Polyethylene	.074

**Inner Shield****Inner Shield Material:**

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	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

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

Outer Shield Material
Unshielded

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

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cabling**

Overall Nominal Diameter: 0.320 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: 44 lbs/1000 ft.

Max. Recommended Pulling Tension: 90 lbs.

Min. Bend Radius (Each Coax): 1.100 in.

Min. Bend Radius (Overall): 2.500 in.

# Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

## 1277A Coax - High-Flex Type and Bundled RGB Coaxial Cable

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMG

#### Flame Test

UL Flame Test: UL 1666 Vertical Shaft

#### Plenum/Non-Plenum

Plenum (Y/N): No

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)  
75

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)  
17.3

#### Nominal Velocity of Propagation:

VP (%)  
78

#### Nominal Delay:

Delay (ns/ft)  
1.30

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
41.5

#### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
8.6

#### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	0.6
5	1.3
10	1.8
30	3.1
50	3.9
100	5.4
200	7.5
400	10.4
700	13.5
900	15.2
1000	15.9

#### Minimum Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		10	40	25

### Notes (Overall)

Notes: 100% sweep tested 10 MHz to 40 MHz

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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