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1-800-Belden1



### General Description:

26 AWG stranded (7x34) .019" bare copper conductors, foam HDPE insulation, Duofoil® + tinned copper braid shield (95% coverage), overall PVC jacket, inner PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
5	26	7x34	BC - Bare Copper	0.4826

Total Number of Conductors: 5

#### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FHDPE - Foam High Density Polyethylene	2.2606

#### Inner Shield

Inner Shield Material:

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100.000
2		Braid	TC - Tinned Copper	95.000

#### Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	3.7084

Inner Jacket Color Code Chart:

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

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Cabling Separator Material: Polyester Tape

Overall Nominal Diameter: 12.116 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +60°C

UL Temperature Rating: 60°C (UL AWM Style 1354)

Bulk Cable Weight: 162.214 Kg/Km

Max. Recommended Pulling Tension: 765.090 N

Min. Bend Radius/Minor Axis: 101.600 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CM

AWM Specification: UL Style 1354 (30 V 60°C) (each coax); UL Style 2668 (overall)

## METRIC MEASUREMENT VERSION

## 1418B Coax - Bundled RGB Coaxial Cable

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):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes
Other Specification:	SMPTE

### Flame Test

UL Flame Test:	UL1685 UL Loading
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### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)  
75

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)  
56.7613

### Nominal Velocity of Propagation:

VP (%)  
78

### Nominal Delay:

Delay (ns/m)  
4.2653

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)  
136.162

### Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)  
28.2166

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.9686
5	4.2653
10	5.9058
30	10.1711
50	12.7959
100	17.7174
200	24.6075
400	34.1224
700	44.2935
900	49.8712
1000	52.1679

### Max. Operating Voltage - UL:

Voltage  
30 V RMS (UL AWM Style 1354)  
300 V RMS (CM)

### Minimum Return Loss:

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

### Sweep Test

Sweep Testing:	100% sweep tested 10 MHz to 40 MHz.
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## Misc. Information (Overall)

### Put Ups and Colors:

## METRIC MEASUREMENT VERSION

### 1418B Coax - Bundled RGB Coaxial Cable

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1418B 0101000	1,000 FT	116.000 LB	BLACK	C	5 #26 FPE SH PVC PVC
1418B 010500	500 FT	61.500 LB	BLACK	C	5 #26 FPE SH PVC PVC

**Notes:**

C = CRATE REEL PUT-UP.

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