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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)
3	26	7x34	BC - Bare Copper	0.4826

Total Number of Conductors: 3

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

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Cabling Separator Material:	Polyester Tape
Overall Nominal Diameter:	9.855 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 1354)
Bulk Cable Weight:	104.174 Kg/Km
Max. Recommended Pulling Tension:	458.165 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)
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.

Misc. Information (Overall)

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1164B 0101000	1,000 FT	78.000 LB	BLACK	C	3 #26 FPE SH PVC PVC

METRIC MEASUREMENT VERSION

1164B Coax - Bundled RGB Coaxial Cable

1164B 010500	500 FT	38.000 LB	BLACK	C	3 #26 FPE SH PVC PVC
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Notes:

C = CRATE REEL PUT-UP.

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