

8238 Coax - 75 Ohm Coax

		<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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Description:

18 AWG stranded (7x26) .048" tinned copper conductor, flame-retardant semi-foam polyethylene insulation, bare copper braid shield (97% coverage), PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	11/U
AWG	18
Stranding	7x26
Conductor Diameter	.048 in.
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	FR Semi-Foam PE - Flame Retardant Semi-Foam Polyethylene
Insulation Diameter	.285 in.

OUTER SHIELD:

Outer Shield Type	Braid
Outer Shield Material	BC - Bare Copper
Outer Shield % Coverage	97 %

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.405 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +80°C
Non-UL Temperature Rating	80°C
Bulk Cable Weight	117 lbs/1000 ft.
Max. Recommended Pulling Tension	143 lbs.
Min. Bend Radius (Install)	4.5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

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APPLICABLE STANDARDS:

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM
EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/13/2005

FLAME TEST:

UL Flame Test	UL1685 UL Loading
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SUITABILITY:

Suitability - Indoor	Yes
Suitability - Outdoor	Yes

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	.115 μ H/ft
Nom. Capacitance Conductor to Shield	20.5 pF/ft
Nominal Velocity of Propagation	66 %
Nominal Delay	1.54 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	6.1 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	1.2 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.2
	10			.7
	50			1.3
	100			2.0
	200			2.9
	400			4.2
	700			5.8
	900			6.8
	1000			7.1

Max. Operating Voltage - UL 300 V RMS

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8238 0101000	RG-11/U TYPE	1000	117	BLACK	C
8238 010500	RG-11/U TYPE	500	59	BLACK	C

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C = CRATE REEL PUT-UP.

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