

82241 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:

23 AWG Solid .023" bare copper-covered steel conductor, plenum, FEP insulation, bare copper braid shield (97% coverage), Flamarrest® jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	59/U
AWG	23
Stranding	Solid
Conductor Diameter	.023 in.
Conductor Material	BCCS - Bare Copper Covered Steel

INSULATION:

Insulation Material	FEP - Fluorinated Ethylene Propylene
Insulation Diameter	.134 in.

OUTER SHIELD:

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

OUTER JACKET:

Outer Jacket Material Trade Name	Flamarrest®
Outer Jacket Material	LS PVC - Low Smoke Polyvinyl Chloride

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.190 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +75°C
UL Temperature Rating	60°C
Non-UL Temperature Rating	75°C
Bulk Cable Weight	35 lbs/1000 ft.
Max. Recommended Pulling Tension	62 lbs.

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Min. Bend Radius (Install)	2.5 in.
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APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMP
CEC/C(UL) Specification	CMP
EU CE Mark (Y/N)	No
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005

FLAME TEST:

UL Flame Test	NFPA 262
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SUITABILITY:

Suitability - Indoor	Yes
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PLENUM/NON-PLENUM:

Plenum (Y/N)	Y
Non-Plenum Number	8241

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	.126 μ H/ft
Nom. Capacitance Conductor to Shield	19.5 pF/ft
Nominal Velocity of Propagation	69.5 %
Nominal Delay	1.45 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	49.0 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	2.6 Ohms/1000 ft

Nom. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.5
	10			1.0
	50			2.3
	100			3.3
	200			5.2
	400			8.4
	700			11.6
	900			13.8
	1000			14.8

Max. Operating Voltage - UL	300 V RMS
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Max. Operating Voltage - Non-UL	1700 V RMS
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PUT-UPS AND COLORS:

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Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
82241 8771000	#23 FEP RG-59/U FLMRST	1000	34	NATURAL	C
82241 877U1000	#23 FEP RG-59/U FLMRST	U1000	36	NATURAL	
82241 877U500	#23 FEP RG59/U FLMRST	U500	18.5	NATURAL	

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 10-10-2005

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