Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



82241 Coax - 75 Ohm Coax

For more Information please call

1-800-Belden1



Description:

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

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	23	Solid	BCCS - Bare Copper Covered Steel	0.5842

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FEP - Fluorinated Ethylene Propylene	3.4036

Outer Shield

Outer Shield Material:

	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	97

Outer Jacket

Outer Jacket Material:

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

Overall Cabling

Overall Nominal Diameter: 4.826 mm

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:	50.599 Kg/Km
Max. Recommended Pulling Tension:	275.788 N
Min. Bend Radius (Install)/Minor Axis:	63.500 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
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):	10/01/2005
EU Directive 2002/96/EC (WEEE):	Yes

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Yes
Yes
Yes
59/U
NFPA 262
Yes
Yes
8241

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



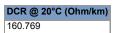
Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 8.5306

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.6405
10	3.281
50	7.5463
100	10.8273
200	17.0612
400	27.5604
700	38.0596
900	45.2778
1000	48.5588

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Operating Voltage - Non-UL:



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Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
82241 877U1000	305 MT	16.329 KG	NATURAL		#23 FEP RG-59/U FLMRST
82241 877U500	152 MT	8.391 KG	NATURAL		#23 FEP RG59/U FLMRST
82241 8771000	305 MT	15.422 KG	NATURAL	С	#23 FEP RG-59/U FLMRST

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 05-14-2007

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