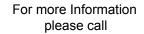
Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

88241 Coax - 75 Ohm Coax



1-800-Belden1



Description:

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

Physical Characteristics (Overall)	
Conductor	
AWG: # Coax AWG Stranding Conductor Material	Dia. (in.)
1 23 Solid BCCS - Bare Copper Covered	
Insulation	
Insulation Material:	
Insulation Material Dia. (in.)	
FEP - Fluorinated Ethylene Propylene .132	
Outer Shield Material	
Outer Shield Material: Type Outer Shield Material Coverage (%)	
Braid BC - Bare Copper 97	
Outer Jacket	
Outer Jacket Material:	
Outer Jacket Material	
FEP - Fluorinated Ethylene Propylene	
Overall Cable	
Overall Nominal Diameter:	0.190 in.
Mechanical Characteristics (Overall)	
Operating Temperature Range:	-70°C To +200°C
Non-UL Temperature Rating:	200°C
Bulk Cable Weight:	36 lbs/1000 ft.
Max. Recommended Pulling Tension:	62 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.500 in.
Applicable Specifications and Agency Co	ompliance (Overall)
Applicable Standards & Environmental Progr	ams
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):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes

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CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
RG Type:	59/U
Flame Test	
UL Flame Test:	NFPA 262
C(UL) Flame Test:	FT6
Suitability	
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Burial:	Yes
Plenum/Non-Plenum	
Plenum (Y/N):	Yes
Non-Plenum Number:	8241

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm) 75

Nom. Inductance:

Inductance (µH/ft)

.126

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

19.5

Nominal Velocity of Propagation:

VP (%) 69.5

Nominal Delay:

Delay (ns/ft) 1.45

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 49.0

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.6

Nom. Attenuation:

Freq. (MHz)	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:

Voltage

300 V RMS

Max. Operating Voltage - Non-UL:

Voltage 1700 V RMS

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
88241 0101000	1,000 FT	38.000 LB	BLACK	С	23 SH FEP RG-59/U COAX
88241 010500	500 FT	18.000 LB	BLACK	С	23 SH FEP RG-59/U COAX

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-14-2007

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