Detailed Specifications & Technical Data





84142 Coax - 50 Ohm Coax

For more Information please call

1-800-Belden1



Description:

19 AWG solid .037" silver-coated copper-covered steel conductor, plenum, TFE Teflon® insulation, double silver-coated copper braid shield (96% coverage), FEP jacket.

Physical Characteristics (Overall)	
Conductor	
AWG:	
# Coax AWG Stranding Conductor Material 1 19 Solid SCCCS - Silver-coated Copped	er-covered Steel 0.037
Insulation Insulation Material:	
Insulation Trade Name Insulation Material Dia	ι. (in.)
Teflon® TFE - Tetrafluoroethylene .116	6
Outer Shield	
Outer Shield Material:	
Layer # Type Outer Shield Material Coverage (%) 1 Braid Silver-coated Opper 96	
2 Braid Silver-coated Copper 94	
Outer Jacket	
Outer Jacket Material:	
Outer Jacket Material	
FEP - Fluorinated Ethylene Propylene	
Overall Cable	
Overall Nominal Diameter:	0.195 in.
Mechanical Characteristics (Overall)	
Operating Temperature Range:	-70°C To +200°C
UL Temperature Rating:	200°C
Bulk Cable Weight:	43 lbs/1000 ft.
Max. Recommended Pulling Tension:	146 lbs.
Min. Bend Radius (Install)/Minor Axis:	2 in.
Applicable Specifications and Agency Co	mpliance (Overall)
Applicable Standards & Environmental Progra	
NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	СМР
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

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

1000

2000

13.1

19.3



84142 Coax - 50 Ohm Coax

CA Prop 65 (CJ for Wire & Cable): Yes Mill Order #39 (China RoHS); Yes Mill and Fast Mill-C-17G, M17/60 RG Type: 142/U Iamo Test UL Flame Test: UL Flame Test: VW-1, NFPA 282 C(UL) Flame Test: F16 Other information (Trademarks): Teflon® is a DuPont trademark. Tenum/Non-Plenum Plenum (Y/N): Yes Yes cetrical Characteristics (Overall) Teflon® is a DuPont trademark. orn. Inductance (giff) Yes orn. Inductance (giff) Teflon® is a DuPont trademark. vertical Characteristic Impedance: F16 Onc. Capacitance Conductor to Shield: Cepacitance (giff) 0g0 Tenace (giff) 29.0 State (giff) 144 State (giff) 0monical Velocity of Propagation: Yer (a) YP 66) Tenace (giff) 144 State (giff) 145 State (giff) 146 State (giff) 153 State (giff) 153 State	EU Directive 2003/11/EC (BFR):	Yes
Military Specification: MIL-C-17G, M17/60 RG Type: 142/U Iamo Test UL. Flame Test: VW-1, NFPA 262 C(UL) Flame Test: FT6 Other Information (Trademarks): Teflon® is a DuPont trademark. Ierum/Non-Plenum Plenum (YN): Yes Plenum (YN): Yes cectrical Characteristics (Overall) on. Characteristic Impedance: Impedance (MTM) Mulc-Cance (MTM) Plenum (YN): Yes om. Inductance: Impedance (MTM) Plenum (YN): Yes Goaccinance (MTM) Plenum (YN): Yes Cectrical Characteristics (Overall) om. Capacitance Conductor to Shield: Gaaccinance (MTM) Cectrical Characteristics (Overall) om. Conductor DC Resistance: Definition (MTM) Millow (MTM) Millow (MTM) Diside (GMT) Gaaccinance (MTM) Gaaccinance (MTM) Millow (MTM) Millow (MTM) Concorductor DC Resistance: Definition (MTM) Millow (MTM) Millow (MTM) Millow (MTM) Concorductor DC Resistance: Definition (MTM) Millow (MTM) Millow (MTM) Millow (Yes
R6 Type: 142/U Iame Test: VW-1, NFPA 262 C(LU, Flame Test: FT6 Other Information (Trademarks): Teflon® is a DuPont trademark. Isinum/Non-Plenum Plenum (YN): Plenum (YN): Yes cottrical Characteristics (Overall) On: on: Characteristics (Overall) om: Characteristic Impedance: Impediate (WH) Yes om: Characteristic Impedance: Image: Impediate (WH) Or own: Characteristic (Ompediation: Impediate (WH) Or	MII Order #39 (China RoHS):	Yes
R6 Type: 142/U Iame Test: WU-1, NFPA 262 C(UL) Fiame Tost: FT6 Other Information (Trademarks): Teflon® is a DuPont trademark. Isrum/Non-Plenum Plenum (Y/N): Plenum (Y/N): Yes octrical Characteristics (O vorall) On. Characteristics (O vorall) om. Characteristics (O vorall) On. Characteristic Impedance: Image: Common Characteristic Impedance: Image: Common Characteristic (O vorall) om. Characteristic S (O vorall) On Order (D vorage) Image: Common Vorage) P06 Vorage: Common Vorage) Image: Common Vorage) Isa Image: Common Vorage) Image: Common Vorage) Isa Image: Common Vorage) Image: Common Vorage)	Military Specification:	MIL-C-17G, M17/60
C(UL) Flame Test: FT6 Other Information (Trademarks): Teflon® is a DuPont trademark. VenumNon-Pienum Plenum (Y/N): Plenum (Y/N): Yes eettrical Characteristics (Overall) Impadiance (Immigration (Yrm)) 0m. Capacitance (Immigration (Yrm)) Immigration (Yrm)) 0minal Velocity of Propagation: YP (%) VP (%) Immigration (Yrm)) 0minal Velocity of Propagation: YP (%) 0minal Outer Shield DC Resistance: Immigration (Yrm)) Defery (Imfigration (Yrm)) Immigration (Yrm)) 13.3 Immigration (Yrm)) Immigration (Yrm)) 13.4 Immigration (Yrm)) Immigration (Yrm)) 13.3 Immigration (Yrm)) Immigration (Yrm)) 13.4 Immigration (Yrm)) Immigration (Yrm)) 13.3 Immigration (Yrm)) Immigration (Yr		
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Penum (YiN): Yes certrical Characteristic Impedance:		
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100 3.8 200 5.4 400 7.9 700 10.7		
200 5.4 400 7.9 700 10.7		
400 7.9 700 10.7		
700 10.7		
900 12.3	700 10.7	
	900 12.3	

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



84142 Coax - 50 Ohm Coax

3000	24.2	
5000	32.6	
8000	43.2	

Max. Attenuation:

Freq. (MHz) Attenuation (dB/100 ft.) 50 100 5.5 400 11.7 1000 19 3000 35 66 8000

Max. Power Rating:

Freq. (MHz)	Rating (W)
50	3500
100	2400
400	1100
1000	650
3000	330
8000	180

Max. Operating Voltage - UL:

Voltage

150 V RMS

Misc. Information (Overall)

Notes (Overall)

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
84142 001100	100 FT	5.000 LB	BROWN		M17/60-RG142 COAX
84142 0011000	1,000 FT	44.000 LB	BROWN	CE	M17/60-RG142 COAX
84142 001500	500 FT	22.500 LB	BROWN	CE	M17/60-RG142 COAX

Notes:

C = CRATE REEL PUT-UP

E = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'

Revision Number: 4 Revision Date: 06-09-2009

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