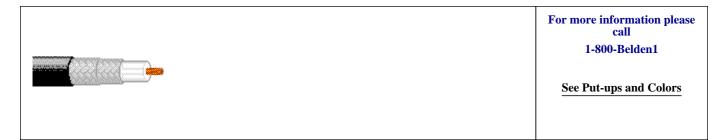


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8281 Coax - Precision Video Cable for Analog and Digital



Description:

20 AWG solid .031" bare copper conductor, polyethylene insulation, 98% tinned copper double braid shield, polyethylene jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax		1			
Total Number of Conductors		1			
RG Type		59/U			
AWG		20			
Stranding		Solid			
Conductor Diameter		.031 in.			
Conductor Material		BC - Bare Copper			
INSULATION:					
Insulation Material		PE - Polyethylene			
Insulation Diameter		.198 in.			
OUTER SHIELD:					
Outer Shield Type		Braid/Braid			
Outer Shield Material :					
Outer Shield Material :					
	e Name	Туре	Material	% Coverage (%)	
	e Name	Braid	TC - Tinned Copper	% Coverage (%) 98	
	e Name				
Layer Number Trade 1	e Name	Braid	TC - Tinned Copper	98	
Layer Number Trade 1 2	e Name	Braid Braid	TC - Tinned Copper	98	
Layer Number Trade 1 1 2 0 Outer Shield %Coverage	e Name	Braid Braid	TC - Tinned Copper	98	
Layer Number Trade 1 2 Outer Shield %Coverage OUTER JACKET:		Braid Braid 98 %	TC - Tinned Copper	98	
Layer Number Trade 1 2 Outer Shield %Coverage OUTER JACKET: Outer Jacket Material		Braid Braid 98 %	TC - Tinned Copper	98	
Layer Number Trade 1 1 2 0 Outer Shield %Coverage OUTER JACKET: Outer Jacket Material OVERALL NOMINAL DIAME	TER:	Braid Braid 98 % PE - Polyethylene	TC - Tinned Copper	98	
Layer Number Trade 1 1 2 0 Outer Shield %Coverage 0 OUTER JACKET: 0 Outer Jacket Material 0 Overall Nominal Diameter 0	TER:	Braid Braid 98 % PE - Polyethylene	TC - Tinned Copper	98	
Layer Number Trade 1 1 2 0 Outer Shield %Coverage 0 Outer JACKET: 0 Outer Jacket Material 0 Overall Nominal Diameter 0 MECHANICAL CHARACTER 0	TER:	Braid Braid 98 % PE - Polyethylene .305 in.	TC - Tinned Copper	98	



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8281 Coax - Precision Video Cable for Analog and Digital

		5 217	216 850	27 23		
Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Minimum Structural Return Loss (dB)		
Minimum Structural Return	Loss :		1	1		
Nominal Outer Shield DC Resistance @ 20°C		1.1 Ohms/1000 ft	1.1 Ohms/1000 ft			
Nom. Conductor DC Resistance @ 20 Deg. C		9.9 Ohms/1000 ft				
Nominal Delay		1.54 ns/ft				
Nominal Velocity of Propagation		66 %				
Nom. Capacitance Conductor to Shield		21 pF/ft				
Nom. Inductance		0.131 µH/ft				
Nom. Characteristic Impeda	nce	75 Ohms				
ELECTRICAL CHARAC	CTERISTICS:					
Plenum Number		88281	88281			
Plenum (Y/N)		Ν				
PLENUM/NON-PLENUM	1:					
Suitability - Aerial		Yes - Black only, when sup	Yes - Black only, when supported by a messenger wire			
Suitability - Outdoor	- -		Yes			
Suitability - Indoor		Yes	Yes			
SUITABILITY:						
Sweep Testing		100% Sweep tested 5MHz	to 850MHz.			
SWEEP TEST:						
APPLICABLE SPECIFIC	CATIONS AND AGEN	CY COMPLIANCE:				
Min. Flexing Radius		6 in.	6 in.			
Min. Bend Radius (Install)		3 in.	3 in.			
			116 lbs.			

Nom. Attenuation :

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8281 Coax - Precision Video Cable for Analog and Digital

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.3
	3.6			.5
	10.0			.8
	71.5			2.1
	135			3.0
	270			4.3
	360			5.1
	540			6.3
	720			7.4
	750			7.6
	1000			9.2

Other Electrical Characteristic 1

Other Electrical Characteristic 2

Impedance tested in accordance with ASTM D-4566 paragraph 43.2, option 2 using a 75 Ohm fixed bridge and termination. 75 +/- 1.5 Ohms

Return Loss tested in accordance with ASTM D-4566 paragraph 45.3, using a 75 Ohm fixed bridge and termination.

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8281 0021000	75 OHM VIDEO COAX	1000	74	RED	С
8281 002500	75 OHM VIDEO COAX	500	37.5	RED	С
8281 0031000	75 OHM VIDEO COAX	1000	74	ORANGE	С
8281 003500	75 OHM VIDEO COAX	500	37.5	ORANGE	
8281 0041000	75 OHM VIDEO COAX	1000	74	YELLOW	С
8281 004500	75 OHM VIDEO COAX	500	37.5	YELLOW	
8281 0051000	75 OHM VIDEO COAX	1000	74	GREEN, DARK	С
8281 005500	75 OHM VIDEO COAX	500	37.5	GREEN, DARK	С
8281 0061000	75 OHM VIDEO COAX	1000	74	BLUE, LIGHT	С
8281 006500	75 OHM VIDEO COAX	500	37.5	BLUE, LIGHT	
8281 0091000	75 OHM VIDEO COAX	1000	74	WHITE	С
8281 0101000	75 OHM VIDEO COAX	1000	74	BLACK	С
8281 010500	75 OHM VIDEO COAX	500	37.5	BLACK	С



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8281 Coax - Precision Video Cable for Analog and Digital

Revision Number: 2 Revision Date: 09-24-2004

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