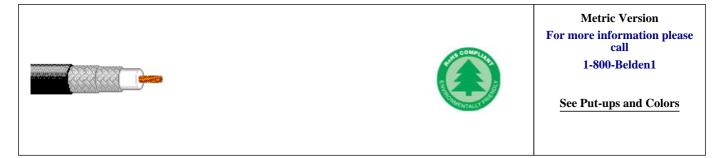
Detailed Specifications & Technical Data



1694F Coax - Precision Video Cable for Analog and Digital



Description:

19 AWG stranded (7x27) bare copper conductor, gas-injected foam HDPE insulation, double tinned copper braid shield (99% coverage), PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax		1					
Total Number of Conductors		1					
RG Type		6/U					
AWG		19	19				
Stranding		7x27	7x27				
Conductor Diameter		1.016 mm					
Conductor Material		BC - Bare Copper					
INSULATION:							
Insulation Material		Gas-injected FHDPE - Foa	m High Density Polyethylen	e			
Insulation Diameter		4.572 mm					
OUTER SHIELD:							
Outer Shield Type		Braid/Braid					
0 0000000000000000000000000000000000000							
Outer Shield Material :							
Outer Shield Material : Layer Number	Trade Name	Туре	Material	% Coverage (%)			
Layer Number 1	Trade Name	Braid	TC - Tinned Copper	93			
	Trade Name						
Layer Number 1	Trade Name	Braid	TC - Tinned Copper	93			
Layer Number 1 2	Trade Name	Braid Braid	TC - Tinned Copper	93			
Layer Number 1 2 Outer Shield %Coverage	Trade Name	Braid Braid	TC - Tinned Copper	93			
Layer Number 1 2 Outer Shield %Coverage OUTER JACKET:		Braid Braid 99 %	TC - Tinned Copper	93			
Layer Number 1 2 Outer Shield %Coverage OUTER JACKET: Outer Jacket Material		Braid Braid 99 %	TC - Tinned Copper	93			
Layer Number 1 2 Outer Shield %Coverage OUTER JACKET: Outer Jacket Material OVERALL NOMINAL D	DIAMETER:	Braid Braid 99 % PVC - Polyvinyl Chloride	TC - Tinned Copper	93			
Layer Number 1 2 Outer Shield %Coverage OUTER JACKET: Outer Jacket Material OVERALL NOMINAL D Overall Nominal Diameter	DIAMETER: CTERISTICS:	Braid Braid 99 % PVC - Polyvinyl Chloride	TC - Tinned Copper	93			
Layer Number 1 2 Outer Shield %Coverage OUTER JACKET: Outer Jacket Material OVERALL NOMINAL D Overall Nominal Diameter MECHANICAL CHARA	DIAMETER: CTERISTICS:	Braid Braid 99 % PVC - Polyvinyl Chloride 7.01 mm	TC - Tinned Copper	93			



1694F Coax - Precision Video Cable for Analog and Digital

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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Minimum Return Loss (dB)		
Minimum Return Loss :	1		1	1		
Nominal Outer Shield DC R	esistance @ 20°C	5.578 Ohms/km				
Nom. Conductor DC Resista	ance @ 20 Deg. C	27.888 Ohms/km				
Nominal Delay		4.101 ns/m				
Nominal Velocity of Propag		81 %				
Nom. Capacitance Conducto	or to Shield	53.152 pF/m				
Nom. Inductance		0.348 μH/m				
Nom. Characteristic Impeda	nce	75 Ohms				
ELECTRICAL CHARAC	CTERISTICS:					
Plenum Number		1695A				
Plenum (Y/N)		Ν				
PLENUM/NON-PLENUM	1:					
Suggested Connectors		AMP 221185-1 Dual Crimp Gold Pin BNC (75 Ohms); Amphenol 31-70000 Dua Crimp Gold Pin BNC (75 Ohms); Kings 2065-10-9 Dual Crimp Gold Pin (75 Ohms); Trompeter UPL220-20 Dual Crimp Gold Pin BNC (75 Ohm); ADC BNC 1694D Dual Crimp Gold Pin BNC (75 Ohm)				
Suitability - Aerial		Yes - Black only, when supported by a messenger wire				
Suitability - Outdoor		Yes - Black only				
Suitability - Indoor		Yes				
SUITABILITY:						
		100% Sweep lested 5 MHZ	IU 7.J UHZ.			
Sweep Testing		100% Sweep tested 5 MHz	to 4 5 GHz			
SWEEP TEST:						
UL Flame Test		UL1666 Vertical Shaft				
FLAME TEST:						
EU RoHS Compliance Date	(mm/dd/yyyy):	01/01/2004				
EU RoHS Compliant (Y/N)		Yes				
EU CE Mark (Y/N)		Yes				
CEC/C(UL) Specification		CMG				
NEC/(UL) Specification		CMR				
APPLICABLE STANDA	RDS:					
APPLICABLE SPECIFIC	CATIONS AND AGENO	CY COMPLIANCE:				
Min. Bend Radius (Install)		69.85 mm				
Max. Recommended Fulling	g Tension	364.752 N				
Max. Recommended Pulling	m ·	0 < 1 5 5 0 1 1				

Nom. Attenuation :

850

4500

20

15

5

850



1694F Coax - Precision Video Cable for Analog and Digital

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100m)		
	1			0.787		
	3.58			1.476		
	5			1.772		
	7			2.034		
	10			2.362		
	67.5			6.234		
	71.5			6.562		
	88.5			7.218		
	100			7.874		
	135			9.187		
	143			9.515		
	180			10.827		
	270			13.124		
	360			15.421		
	540			19.358		
	720			22.639		
	750			22.967		
	1000			26.904		
	1500			34.122		
	2000			40.356		
	2250			43.309		
	3000			51.184		
	4500			64.964		
Max. Operating Voltage - UL		300 V RMS				
Max. Operating Voltage - Non-UL		300 V RMS				
Other Electrical Characteristic 1		Impedance tested in accord a 75 Ohm fixed bridge and	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			
Other Electrical Characteristic 2		Return Loss tested in accor Ohm fixed bridge and term	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 (M)	Ship Weight (kgs.)	Jacket Color	Notes
1694F B591000	#19 GIFHDLDPE DBLB FRPVC	304.8	24.516	BLACK, MATTE	С
1694F G7V1000	#19 GIFHDLDPE DBLB FRPVC	304.8	24.516	RED, MATTE	С
1694F G7W1000	#19 GIFHDLDPE DBLB FRPVC	304.8	24.516	GREEN, MATTE	С
1694F G7X1000	#19 GIFHDLDPE DBLB FRPVC	304.8	24.516	BLUE, MATTE	С
1694F G7Y1000	#19 GIFHDLDPE DBLB FRPVC	304.8	24.516	WHITE, MATTE	С
1694F G8L1000	#19 GIFHDLDPE DBLB FRPVC	304.8	24.516	ORANGE, MATTE	С
1694F G8M1000	#19 GIFHDLDPE DBLB FRPVC	304.8	24.516	YELLOW, MATTE	С



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1694F Z4B1000 #19 GIFHDLDPE DBLB FRPVC	304.8	24.516	VIO Z4B	С
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C = CRATE REEL PUT-UP.

Revision Number: 10 Revision Date: 06-27-2006

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