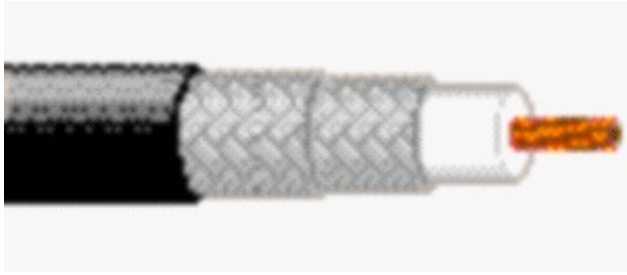


Part Number: 1694F

Serial Digital Coax, Flexible, RG6, #19 Stranded BC, Foil + 95% TC braid, CMR



Product Description

Low Loss Serial Digital Coax, Riser-CMR, 19 AWG stranded bare copper conductor, foam HDPE core, double 95% tinned copper braid, flexible PVC jacket

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
19	7x27	BC - Bare Copper	0.04 in	1
Total Number of Conductors:			1	

Insulation:

Material	Nominal Diameter
Gas injected FHDPE - Foam High Density Polyethylene	0.18 in

Outershield 1:

Type	Layer	Material	Coverage [%]
Braid	1	TC - Tinned Copper	95 %
Braid	2	TC - Tinned Copper	95 %

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.276 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
8.5 Ohm/1000ft	1.7 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Shield
16.2 pF/ft

Other Electrical Characteristic 1:	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
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Other Electrical Characteristic 2:	Return Loss tested in accordance with ASTM D-4566 paragraph 45.3, using a 75 Ohm fixed bridge and termination.
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Sweep Testing:	100% Sweep tested 5 MHz to 4.5 GHz.
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Impedance:

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical):

Frequency [MHz]	Norm. Insertion Loss
1 MHz	0.24 dB/100ft
3.58 MHz	0.45 dB/100ft
5 MHz	0.54 dB/100ft
6 MHz	0.55 dB/100ft
7 MHz	0.62 dB/100ft
10 MHz	0.72 dB/100ft
12 MHz	0.83 dB/100ft
25 MHz	1.18 dB/100ft
67.5 MHz	1.9 dB/100ft
71.5 MHz	2 dB/100ft
88.5 MHz	2.2 dB/100ft
100 MHz	2.4 dB/100ft
135 MHz	2.8 dB/100ft
143 MHz	2.9 dB/100ft
180 MHz	3.3 dB/100ft
270 MHz	4 dB/100ft
360 MHz	4.7 dB/100ft
540 MHz	5.9 dB/100ft
720 MHz	6.9 dB/100ft
750 MHz	7 dB/100ft
1000 MHz	8.2 dB/100ft
1500 MHz	10.4 dB/100ft
2000 MHz	12.3 dB/100ft
2250 MHz	13.2 dB/100ft
3000 MHz	15.6 dB/100ft
4500 MHz	19.8 dB/100ft

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.25 ns/ft	81 %

High Freq:

Min. RL (Return Loss) [dB]
20 dB
15 dB

Inductance:

Nominal Inductance
0.106 μ H/ft

Voltage:

Non-UL Voltage Rating	UL Voltage Rating
300V RMS	300V RMS V

Use

Suitability - Indoor:	Yes
Max Recommended Pulling Tension:	116 lbs

Safety

UL Flammability:	UL1666 Vertical Shaft
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Temperature Range

Operating Temp Range:	-30°C To +75°C °C
UL Temp Rating:	75°C °C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.75 in
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Part Number

Plenum (Y/N):	No
Plenum Number:	1695A
Suggested Connectors:	AMP 221185-1 Dual Crimp Gold Pin BNC (75 Ohms); Amphenol 31-70000 Dual 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)

Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMG
MII Order #39 (China RoHS):	Yes
NEC/(UL) Specification:	CMR
RG Type:	6/U
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

Product Variants

Part Number	Color	Put-Up Type	Length
1694F	BLACK, MATTE	Reel	1000 ft
1694F	MATTE BLACK	Reel	305 m
1694F B591000	BLACK, MATTE	Reel	1000 ft
1694F			
1694F			
1694F	MATTE BLACK	Reel	305 m
1694F	RED, MATTE	Reel	1000 ft
1694F	RED, MATTE	Reel	305 m
1694F G7V1000	RED, MATTE	Reel	1000 ft
1694F	GREEN, MATTE	Reel	1000 ft
1694F	MATTE GREEN	Reel	305 m
1694F G7W1000	GREEN, MATTE	Reel	1000 ft
1694F	BLUE, MATTE	Reel	1000 ft
1694F	BLUE, MATTE	Reel	305 m
1694F G7X1000	BLUE, MATTE	Reel	1000 ft
1694F	WHITE, MATTE	Reel	1000 ft
1694F	MATTE WHITE	Reel	305 m
1694F G7Y1000	WHITE, MATTE	Reel	1000 ft
1694F	ORANGE, MATTE	Reel	1000 ft
1694F	MATTE ORANGE	Reel	305 m
1694F G8L1000	ORANGE, MATTE	Reel	1000 ft
1694F	YELLOW, MATTE	Reel	1000 ft
1694F	MATTE YELLOW	Reel	305 m
1694F G8M1000	YELLOW, MATTE	Reel	1000 ft
1694F	VIOLET Z4B	Reel	1000 ft
1694F	VIO Z4B	Reel	305 m
1694F Z4B1000	VIOLET Z4B	Reel	1000 ft
1694F			
1694F			

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