

1694F - 75 Ohm SDI Coax, RG-6, 19 AWG, Stranded BC, Double + 95% TC Braid, PVC Jkt, CM, Flexible

Item: 20119415



Product Overview

Suitable Applications	Digital Video, 6 Gb/s UHDTV, HD-SDI 1080p
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Construction Details

RG Type	6
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CONDUCTOR

Element	Size	Stranding	Nom. Diameter	Material
Coax(es)	19 AWG	7x27	0.041 in	BC - Bare Copper

INSULATION

Element	Material	Nom. Insulation Diameter	Color Code
Coax(es)	PE - Polyethylene (Foam)	0.180 in (4.57 mm)	White

OUTER SHIELD

Layer	Outer Shield Type	Material	Coverage
1	Braid	Tinned Copper (TC)	95%
2	Braid	Tinned Copper (TC)	95%

OUTER JACKET

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.276 in (7.01 mm)

Overall Cable Diameter (Nominal)

0.276 in (7.01 mm)

Electrical Characteristics

RETURN LOSS

Frequency	Min. Return Loss
5 - 850 MHz	20 dB
850 - 6000 MHz	15 dB

ATTENUATION

Frequency	Nom. Attenuation
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
55 MHz	1.76 dB/100ft
67.5 MHz	1.9 dB/100ft
71.5 MHz	2.0 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	4.0 dB/100ft
360 MHz	4.7 dB/100ft
540 MHz	5.9 dB/100ft
720 MHz	6.9 dB/100ft
750 MHz	7.1 dB/100ft
1000 MHz	6.3 dB/100ft
1500 MHz	7.8 dB/100ft
2000 MHz	12.5 dB/100ft
2250 MHz	13.4 dB/100ft
3000 MHz	15.9 dB/100ft
4500 MHz	20.6 dB/100ft
6000 MHz	28.7 dB/100ft



ELECTRICALS

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
8.5 Ohm/1000ft	1.7 Ohm/1000ft (5.6 Ohm/km)	17.0 pF/ft (55.8 pF/m)	75 Ohm	80%

VOLTAGE

UL Voltage Rating

300 V (CM)

Mechanical Characteristics

TEMPERATURE

UL Temperature	Operating
60°C	-35°C to +75°C

BEND RADIUS

Installation Min.

2.75 in (69.9 mm)

Max. Pull Tension

90 lbs (41 kg)

Bulk Cable Weight

50 lbs/1000ft

Standards and Compliance

Environmental Suitability	Indoor (Not Riser or Plenum), Indoor
Sustainability	CA Prop 65
Flammability / Reaction to Fire	UL 1685 - UL Loading
NEC / UL Compliance	CM
CEC / C(UL) Compliance	CM
European Directive Compliance	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance	China RoHS II (GB/T 26572-2011)

History

Update and Revision	Revision Number: 0.527 Revision Date: 07-03-2023
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