

1694ANH - 75 Ohm SDI Coax, RG-6, 18 AWG, Solid BC, Foil + 95% TC Braid, LSZH-C Jkt

Item: 20119376



Product Overview

Suitable Applications

Digital Video, 6 Gb/s UHDTV, HD-SDI 1080p; The cable is UV-resistant and suitable for indoor and outdoor use

Construction Details

RG Type

6

CONDUCTOR

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	18 AWG	Solid	1.02 mm	BC - Bare Copper

INSULATION

Element	Material	Nom. Insulation Diameter
Insulated Conductor	PE - Polyethylene (Foam)	4.57 mm (0.180 in)

OUTER SHIELD

Layer	Outer Shield Type	Material	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	100%
2	Braid	Tinned Copper (TC)	95%

OUTER JACKET

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.96 mm

Electrical Characteristics

RETURN LOSS

Frequency	Min. Return Loss
5 - 1600 MHz	23 dB
1600 - 4500 MHz	21 dB
4500 - 6000 MHz	15 dB

ATTENUATION

Frequency	Nom. Attenuation
1 MHz	0.8 dB/100m
3.6 MHz	1.5 dB/100m
10 MHz	2.4 dB/100m
71.5 MHz	5.6 dB/100m
135 MHz	7.4 dB/100m
270 MHz	10.4 dB/100m
360 MHz	12.1 dB/100m
540 MHz	14.8 dB/100m
720 MHz	17.5 dB/100m
750 MHz	17.9 dB/100m
1000 MHz	20.7 dB/100m
1500 MHz	25.6 dB/100m
2250 MHz	32.2 dB/100m
3000 MHz	37.7 dB/100m
4500 MHz	47.6 dB/100m
6000 MHz	58.1 dB/100m

ELECTRICALS

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
21 Ohm/km	9.2 Ohm/km (2.8 Ohm/1000ft)	53 pF/m (16 pF/ft)	75 Ohm	82%

Mechanical Characteristics

TEMPERATURE

Operating	Installation	Storage
-30°C To +70°C	-5°C To +50°C	-30°C To +70°C

BEND RADIUS

Stationary Min.

70 mm (2.8 in)

Max. Pull Tension

300 N (67 lbf)

Standards and Compliance

Environmental Suitability	Indoor/Outdoor - Euroclass Dca
Flammability / Reaction to Fire	IEC 60332-1-2, IEC 60332-3-24, CEI 20-22-3
CPR Compliance	CPR Euroclass: Dca-s1,d1,a1; CPR UKCA Class: Dca-s1,d1,a1
ISO/IEC Compliance	IEC 61034-2 - Smoke Density Min Transmittance = 80%
CENELEC Compliance	EN 50117-1
European Halogen Free Standards	IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-1 - Halogen Amount = Zero, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 2.5 μ S/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4,3
European Directive Compliance	EU CE Mark
UK Regulation Compliance	UKCA Mark

History

Update and Revision	Revision Number: 0.232 Revision Date: 07-03-2023
----------------------------	--

