



Product: [1694FPU](#)

Life Cycle Status: Discontinued



1694FPU - 75 Ohm SDI Coax, RG-6, 19 AWG Str BC, Double 95% TC Braid, PUR Jkt, Flexible

Product Description

75 Ohm SDI Coax, RG-6, 19 AWG (7x27) Bare Copper Conductor, PE Insulation, Double 95% Tinned Copper Braid Shield, PUR Jacket, Flexible

Technical Specifications

Product Overview

Suitable Applications:	Digital Video, 6 Gb/s UHD TV, HD-SDI 1080p; The cable is UV-resistant and suitable for indoor and outdoor use
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Construction Details

RG Type:	6
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Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	18 AWG	Stranded	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	Tinned Copper (TC)	100%
2	Braid	Tinned Copper (TC)	95%

Outer Jacket

Material	Nom. Diameter
PUR - Polyurethane	7.01 mm

Table Notes:	According to European Standard EN 50290-2-20
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Electrical Characteristics

Return Loss (RL)

Frequency	Min. Return Loss
5-850 MHz	20 dB
850-4500 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	6.6 dB/100m
135 MHz	9.2 dB/100m
270 MHz	13.1 dB/100m
360 MHz	15.4 dB/100m
540 MHz	19.4 dB/100m

720 MHz	22.6 dB/100m
750 MHz	23.3 dB/100m
1000 MHz	27.6 dB/100m
1500 MHz	34.8 dB/100m
2250 MHz	44.0 dB/100m
3000 MHz	52.2 dB/100m
4500 MHz	67.6 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)
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Standards and Compliance

Environmental Suitability:	Indoor/Outdoor
Flammability / Reaction to Fire:	IEC 60332-1-2
CENELEC Compliance:	EN 50117-1
European Directive Compliance:	EU CE Mark

History

Update and Revision:	Revision Number: 0.155 Revision Date: 07-29-2024
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