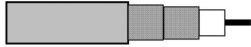




Product: [1505FPU](#)

1505FPU - 75 Ohm SDI Coax, RG-59, 22 AWG Str BC, Double 95% TC Braid, PUR Jkt, Flexible



Product Description

75 Ohm SDI Coax, RG-59, 22 AWG (7x29) 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:	59
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Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	21 AWG	7x29	0.81 mm	BC-C - Bare Copper (Compacted)

Insulation

Element	Material	Nom. Insulation Diameter
Insulated Conductor	PE - Polyethylene (Foam)	3.68 mm (0.145 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	6.13 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	0.7 dB/100m
3.6 MHz	1.6 dB/100m
10 MHz	3.0 dB/100m
71.5 MHz	8.2 dB/100m
135 MHz	11.5 dB/100m
270 MHz	16.7 dB/100m
360 MHz	19.7 dB/100m
540 MHz	24.6 dB/100m

720 MHz	29.2 dB/100m
750 MHz	29.9 dB/100m
1000 MHz	35.4 dB/100m
1500 MHz	44.6 dB/100m
2250 MHz	56.8 dB/100m
3000 MHz	67.9 dB/100m
4500 MHz	87.6 dB/100m

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
32 Ohm/km	12 Ohm/km (3.7 Ohm/1000ft)	53 pF/m (16 pF/ft)	75 Ohm	83%

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.
60 mm (2.4 in)

Max. Pull Tension: 200 N (45 lbf)

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: 0.111 Revision Date: 04-29-2024

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
1505FPU.00305	Black	Reel	305 m	8719605001597
1505FPU.001000	Black	Reel	1,000 m	8719605001580

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