



Product: [4794ELW](#) 

4K UHD Coax for 12G-SDI, 75 Ohm, Series 7, 16 AWG Solid SC, Foil + 95% TC Braid, LSZH Jkt

Product Description

75 Ohm SDI Coax, Series 7, 16 AWG Solid Silvered Copper Conductor, PE Insulation, Foil + 95% Tinned Copper Braid Shield, LSZH Jacket

Technical Specifications

Product Overview

Suitable Applications:	Ultra-High Definition Digital Video, 4K Single-link 12 Gb/s UHD TV, 4K D-Cinema, 8K Quad-link UHD TV, HD-SDI 1080p
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Construction Details

Series Type:	7
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Conductor

Size	Stranding	Nom. Diameter	Material
16 AWG	Solid	0.051 in	SC - Silvered Copper

Insulation

Material	Nom. Insulation Diameter
PE - Polyethylene (Foam)	0.225 in (5.72 mm)

Outer Shield

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

Outer Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.320 in (8.13 mm)

Electrical Characteristics

Return Loss (RL)

Frequency	Min. Return Loss
5 - 1600 MHz	23 dB
1600 - 4500 MHz	21 dB
4500 - 12000 MHz	15 dB

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
4.0 Ohm/1000ft	1.8 Ohm/1000ft (5.9 Ohm/km)	16.0 pF/ft (52.5 pF/m)	75 Ohm	85%

Voltage

Voltage Rating
300 V (RMS)

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-30°C to +75°C

Bend Radius

Installation Min.
3.2 in

Max. Pull Tension:	84 lbs (38 kg)
Bulk Cable Weight:	56 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Cca, Indoor, Aerial - Black only, When supported by messenger wire
CPR Compliance:	CPR Euroclass: Cca-s1,d1,a1
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), 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: 0.21 Revision Date: 04-29-2024
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