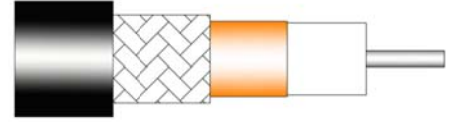


## Description

UHD-0.8/3.7 Broadcast Cable, Applies to 6G-SDI, 12G-SDI, 4KD-Cinema, UHDTV1, UHDTV2.



## Construction

	Material	Diameter (mm)
<b>Center Conductor</b>	SPC	0.813
<b>Dielectric</b>	FHDPE	3.68
<b>Outer Conductor</b>	CU-PT-CU	3.83
<b>Outer Conductor</b>	BC	4.50
<b>Jacket</b>	FR-PVC (Black)	5.9

SPC: Silver Plated Copper

FPE: Foam High Density Polyethylene

CU-PT-CU: Copper Foil – Polyester Tape – Copper Foil

BC: Bare Copper

FR-PVC: Flame Retardant Polyvinyl Chloride

## Technical Data

### Electrical Data: (Nominal)

Impedance	75Ω
Operating Frequency	12 GHz
Capacitance	53 pF/M
Velocity of Signal Propagation	83%
DCR: Inner Conductor	< 33.5 Ohm/KM
Outer Conductor	< 18.5 Ohm/KM
Operating Voltage	300 V rms. max.
Inductance	0.35 μH/m
Signal Delay	4.003 ns/m
Jacket Sparker	4000 VCA
Voltage Withstand (AC)	3000 VCA
Insulation Resistance	> 500 MΩ-KM
Return Loss	5-1600 MHz > 23 dB
	1600-4500 MHz > 21 dB
	4500-12000 MHz > 15 dB

**Mechanical Data :**

Max. Tensile Strength	348 N
Min. Bending Radius	18 mm (Static) 60 mm (Repeated)

**Environmental Data :**

Temperature Range	-30 to 75 °C
Outdoor Installation	-5 °C
2011/65/EU (RoHS2)	Compliant

**Flame Test :**

UL Flame Test	UL1581 VW-1
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**Attenuation**

Frequency (MHz)	Attenuation (dB/M)
5	0.02
10	0.03
67	0.07
100	0.08
270	0.13
540	0.18
720	0.21
1000	0.25
2000	0.35
3000	0.44
4500	0.55
6000	0.65
12000	0.94

**Misc. Information**

Weight	45.9 g/M
Marking	S-CONN UHD-0.8/3.7 HI PERFORMANCE VIDEO CABLE SD/HD/UHD
Package	500 M/Roll