



## TRIAX CAMERA CABLES



### TRIAX 14 HD LSZH

✓STUDIO ✓INSTALLATION ✓CCU INTERCONNECT

HFFR HD-SDI ANALOG DIGITAL

### APPLICATION

Triaxial cable is used to interconnect video cameras to related equipment. Triax cables contain two isolated shields and solid center conductor. Isolated shields allow the triax to provide multiple functions over 1 cable through multiplexing techniques, e.g. DC power to camera, intercom to operator, teleprompter feeds, monitoring feeds and even automatic or robotic functions. These cable products have low smoke density, halogen free and they don't emit poisonous gases.

### CONSTRUCTION DATA

Inner conductor	2,2 mm ø Silvered Copper Wire
Insulation	9.7 mm ø Gas-injected Foam
1st Shield	Silver Plated Copper Braid
Coverage	85%
Inner Sheath	11,9 mm ø, Pe Compound
2nd Shield	Bare Copper Braid
Coverage	80%
Outer Jacket	HFFR Compound, Red
Outer Diameter	14.5 + 0.2 mm ø
Cable Weight	24,5 Kg /100 m

### ELECTRICAL DATA

DC resistance	
Inner conductor	< 5,5 Ω / km
Inner screen	< 5 Ω / km
Outer screen	< 4 Ω / km

Mutual Capacitance	
800 Hz	54 pF / m

Velocity of Propagation	82%
Characteristic Impedance	75 ± 2 Ω
Screening Factor	≥ 75 dB
Max. DC loop resistance	12.1 Ω / km
Max. Operating voltage	600 V Rms
Transmission Dis. up to 3G (1080p)	1000 mt

### Attenuation (db /100 Mt)

Frequency (MHz)	1	10	20	40	50	60	100	300	1000
TRIAx14 (db)	0.4	1.3	1.7	2.5	2.8	3.1	4.2	7.6	14.3

### MECHANICAL DATA

Minimum bending radius	10 x D ( D= outer diameter )
Temperature range	-30° C to + 70° C

### Return loss (dB)

<b>Frequency (MHz)</b>	<b>(dB)</b>
10 – 100	≥ 26
100 – 300	≥ 23

RED

