



TRIAX CAMERA CABLES



TRIAX 8 HD LSZH

✓STUDIO ✓INSTALLATION ✓CCU INTERCONNECT

HFFR

HD-SDI

ANALOG

DIGITAL

TRIAX 11 HD LSZH

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	1,0 mm ø Silvered Cop. Wire
Insulation	4,5 mm ø Gas-injected Foam
1st Shield	Silver Plated Copper Braid
Coverage	85%
Inner Sheath	6,6 mm ø, Pe Compound
2nd Shield	Bare Copper Braid
Coverage	80%
Outer Jacket	HFFR Compound, Red
Outer Diameter	8.4 + 0.2 mm ø
Cable Weight	9,5 Kg/100 m

TRIAX 8 HD LSZH

TRIAX 11 HD LSZH

Inner conductor	1,4 mm ø Silvered Cop. Wire
Insulation	6,5 mm ø Gas-injected Foam
1st Shield	Silver Plated Copper Braid
Coverage	85%
Inner Sheath	8,6 mm ø, Pe Compound
2nd Shield	Bare Copper Braid
Coverage	80%
Outer Jacket	HFFR Compound, Red
Outer Diameter	11.2 + 0.2 mm ø
Cable Weight	14,8 Kg/100 m

ELECTRICAL DATA

DC resistance		
Inner conductor	< 25 Ω / km	< 13 Ω / km
Inner screen	< 12 Ω / km	< 10 Ω / km
Outer screen	< 10 Ω / km	< 8 Ω / km
Mutual Capacitance		
800 Hz	54 pF / m	54 pF / m
Velocity of Propagation	82%	82%
Characteristic Impedance	75 ± 1 Ω	75 ± 2 Ω
Screening Factor	≥ 75 dB	≥ 75 dB
Max. DC loop resistance	30 Ω / km	23 Ω / km
Max. Operating voltage	400 V Rms	400 V Rms
Transmission Dis. up to 3G (1080p)	500 mt	700 mt

Attenuation (db /100 Mt)

Frequency (MHz)	1	10	20	40	50	60	100	300	1000
TRIAX8 (db)	0.6	2.2	3.2	4.6	5.1	5.6	7.5	13.8	21.2
TRIAX11 (db)	0.5	1.6	2.3	3.3	3.8	4.2	5.6	10.4	17.6

MECHANICAL DATA

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

Return loss (dB)

Frequency (MHz)	(dB)
10 – 100	≥ 26
100 – 300	≥ 23

