



TRIFLEX CAMERA CABLES LSZH



TRIFLEX 8 HD LSZH

✓STUDIO ✓INSTALLATION ✓CCU INTERCONNECT

HFFR

HD-SDI

ANALOG

DIGITAL

TRIFLEX 11 HD LSZH

APPLICATION

Triaxial cable is used to interconnect video cameras to related equipment. Triflex cables contain two isolated shields and Silvered Stranded Copper. Isolated shields allow the triflex 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. Ivox triflex cable products have low smoke density, are halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA TRIAX 8 HD

Inner conductor	19 x 0.20 mm ø Silvered Stranded Copper 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	9,2 Kg/100 m

TRIAX 11 HD

19 x 0.287 ø Silvered Stranded Copper Wire
6,5 mm ø Gas-injected Foam
Silver Plated Copper Braid
85%
Pe Compound
Bare Copper Braid
80%
Hffr Compound , Red
11.2 + 0.2 mm ø
14,5 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

