



TRIFLEX CAMERA CABLES



TRIFLEX 14 HD LSZH

✓STUDIO ✓INSTALLATION ✓CCU INTERCONNECT

HFFR

HD-SDI

ANALOG

DIGITAL

APPLICATION

Triaxial cable is used to interconnect video cameras to related equipment. Triflex 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. Ivox Triflex cable products have low smoke density, are halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Inner conductor	7 x 0.75 mm ø Silvered Copper Wire
Insulation	9.7 mm ø Gas-injected Foam
1st Shield	Silver Plated Copper Braid
Coverage	85%
Inner Sheath	Pe Compound
2nd Shield	Bare Copper Braid
Coverage	80%
Outer Jacket	Hffr Compound, Red
Outer Diameter	14.5 + 0.2 mm ø
Cable Weight	24,0 Kg/100 m

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ELECTRICAL DATA

DC resistance	
Inner conductor	< 5,5 Ω / km
Inner screen	< 5 Ω / km
Outer screen	< 4 Ω / km
Mutual Capacitance	54 pF/m
800 Hz	82%
Velocity of Propagation	75 ± 2 Ω
Characteristic Impedance	≥ 75 dB
Screening Factor	12.1 Ω/km
Max. DC loop resistance	600 V Rms
Max. Operating voltage	1000 mt

Transmission Dis. up to 3G (1080p)

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)

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

RED

