IVOX
AUDIO & VIDEO CABLE

TRIAX CAMERA CABLES

ISO9001 CERTIFIED · RoHS COMPLIANT · REACH · CE

TRIAX 8 HD
TRIAX 11 HD

✓STUDIO ✓INSTALLATION ✓CCU INTERCONNECT

PVC · 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

CONSTRUCTION DATA	TRIAX 8 HD	TRIAX 11 HD
Inner conductor	1,0 mm ø Silvered Cop. Wire	1,4 mm ø Silvered Cop. Wire
Insulation	4,5 mm ø Gas-injected Foam	6,5 mm ø Gas-injected Foam
1st Shield	Silver Plated Copper Braid	Silver Plated Copper Braid
Coverage	85%	85%
Inner Sheath	6,6 mm ø Pe Compaund	8,6 mm ø, Pe Compound
2nd Shield	Bare Copper Braid	Bare Copper Braid
Coverage	80%	80%
Outer Jacket	Pvc, Red	Pvc, Red
Outer Diameter	8.4 + 0.2 mm ø	11.2 + 0.2 mm ø
Cable Weight	9,5 Kg/100 m	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
- Mobile installation - 5° C to + 70° C
- Fixed installation -30° C to + 70° C

Return loss (dB)

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