



## TRIFLEX CAMERA CABLES



### TRIAX 14 HD

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ CCU INTERCONNECT

PVC

HD-SDI

ANALOG

DIGITAL

### 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

### CONSTRUCTION DATA

Inner conductor	7 x 0.75 mm ø Silvered Stranded 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	Pvc, Red
Outer Diameter	14,5 + 0.2 mm ø
Cable Weight	24,5 Kg/100 m

### TRIAX 14 HD

### 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 ± 1 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)	0.5	1.5	1.9	2.6	2.9	3.3	4.4	7.8	14.6

### MECHANICAL DATA

Minimum bending radius	10 x D ( D= outer diameter )	Return loss (dB)	
Temperature range		<b>Frequency (MHz)</b>	<b>(dB)</b>
Mobile installation	- 5° C to + 70° C	10 – 100	≥ 26
Fixed installation	-30° C to + 70° C	100 – 300	≥ 23

RED

