

TRIAX CAMERA CABLES



DIGITAL

ANALOG

HD-SDI

PVC

TRIAX 8 HD

CONSTRUCTION DATA

Inner conductor	1,02 mm Ø Solid Copper Wire (18 Awg)
Insulation	4,57 mm Ø Gas-injected foam
1st Shield	Silver Plated Copper Braid
Coverage	85%
Inner Sheath	6,6 mm Ø Pe Compaund
2nd Shield	Bare Copper Braid
Coverage	80%
Outer Jacket	Pvc, Red
Outer Diameter	8.4 + 0.2 mm Ø
Cable Weight	95 Kg/Km

ELECTRICAL DATA

DC resistance	at 20 °C
Inner conductor	< 22 Ω / km
Inner screen	< 12 Ω / km
outer screen	< 8,5 Ω / km
Mutual Capacitance	800 Hz 52 pF / m
Velocity of Propagation	83%
Characteristic Impedance	75 ± 1 Ω
Screening Factor	≥ 75 dB
Max. DC loop resistance	30 Ω / km
Max. Operating voltage	400 V Rms
Transmission Distance up to 3G (1080p)	500 mt

Attenuation (db /100 Mt)		Return loss (dB)	
Frequency (MHz)	Attenuation(db /100 Mt)	Frequency (MHz)	(dB)
1	0,6	10 – 100	≥ 26
10	2,2	100 – 300	≥ 23
20	3,2		
40	4,6		
50	5,1		
60	5,6		
100	7,5		
300	13,8		
1000	22,2		
1500	29		
2000	33,7		
2500	38,4		

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	
Description	RAL number	packing/m
TRIAx 14 HD,Red	3000 Red	500/1000

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

ISO9001 CERTIFIED



MOBIL
STUDIO
INSTALLATION
STAGE
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