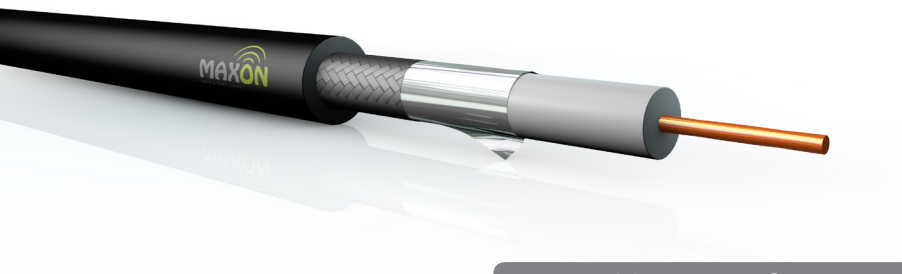
VIDEO CABLE HD-SDI



DIGITAL

ANALOG

HD-SDI

HALOGEN FREE

MxV 7506 HD FRNC / MxV 7508HD FRNC

CONSTRUCTION DATA

	MxV 7506	MxV 7508
Inner conductor	0,60 mm ø (AWG 23) B. Cop.	0,81 mm ø (AWG 20) B. Cop.
Insulation	2,8 mm ø Gas-injected foam	3.7 mm ø Gas-injected foam
Shielding	Aluminum Foil % 100	Aluminum Foil % 100
Shielding	Tinned Copper Braiding % 95	Tinned Copper Braiding % 95
Outer Jacket	HFFR Compound	HFFR Compound
Outer Diameter	4,5 mmø	5,9 mmø
Cable Weight	27 Kg/Km	47 Kg/Km

ELECTRICAL DATA

		MxV 7506	MxV 7508
DC resistance	Inner conductor	< 55 Ω / km	< 35 Ω / km
	Shield	< 17 Ω / km	< 10 Ω / km
Mutual capacitance		53 pF / m	56 pF / m
Velocity of Propagation		78%	82%
Characteristic Impedance		75 Ω ± 2	75 Ω ± 2
Screening factor		≥ 100 dB	≥ 100 dB
Max. Operating Voltage		300 V Rms	300 V Rms
Attenuation (db /100 Mt)		Return loss (dB)	Return loss (dB)

MECHANİCAL DATA

	MxV 7506	MxV 7508
Minimum bending radius	5 x D (D= outer diameter)	1 5x D (D= outer diameter)
Temperature range	-25° C to +70° C	-25° C to +70° C

APPLICATION

Maxon coaxial video cable meets all the requirements of the Broadcast installations for HDTV and SDI high-definition video in spite of its reduced diameter. The inner conductor insulation is made of a special gas-injected dielectric HDPE which guarantees a very low capacitance value. For analogue and digital video signals transmission The Low Smoke Zero Halogen sheath makes it ideal for use in public buildings where Low Smoke Zero Halogen is specified.

ISO9001 CERTIFIED RoHS COMPLIANT CE

INSTALLATION

MOBILE

STUDIO

Frequency (MHz)	10	30	100	270	540	720	800	1000	1500	2000	2250	3000
MxD 7506 Attenuation (dB/100m)	2,9	4,5	7,9	12,8	18,3	21	22,8	25,5	32,0	36,5	39,5	47,5
MxV 7508 Attenuation (dB/100m)	3,5	5,7	11	17,2	24	29,5	32,8	34,5	41,3	48,4	50	61

Transmission Dis.	143Mb/s	177 Mb/s	270 Mb/s (SD)	360 Mb/s	1,5 Gb/s (HD)	3,0Gb/s
MxD 7506	295	290	240	200	79	43
MxV 7508	430	410	330	300	94	66

maxon AUDIO & VIDEO CABLE