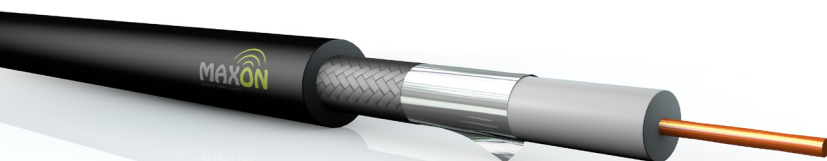


VIDEO CABLE HD-SDI



DIGITAL

ANALOG

HD-SDI

HALOGEN FREE

MxV 7510HD FRNC / MxV 7516HD FRNC

CONSTRUCTION DATA

	MxV 7510HD FRNC	MxV 7516HD FRNC
Inner conductor	1,02 mm Ø (AWG 20) B. Copper	1,63 mm Ø (AWG 14) B. Copper
Insulation	4.8 mm Ø Gas-injected foam	7.11 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	7 mmØ	10 mmØ
Cable Weight	68 Kg/Km	125 Kg/Km

ELECTRICAL DATA

	MxV 7510HD FRNC	MxV 7516HD FRNC
DC resistance Inner conductor	< 22 Ω / km	< 9,5 Ω / km
Shield	< 7 Ω / km	< 4,5 Ω / km
Mutual capacitance	56 pF / m	56 pF / m
Velocity of Propagation	80%	78%
Characteristic Impedance	75 Ω ± 1	75 Ω ± 1
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)

MECHANICAL DATA

	MxV 7510HD FRNC	MxV 7516HD FRNC
Minimum bending radius	5 x D (D= outer diameter)	5 x D (D= outer diameter)
Temperature range	-25° C to +70° C	-25° C to +70° C

Frequency (MHz)	10	30	100	270	540	720	800	1000	1500	2000	2250	3000
MxV 7510 Attenuation (dB/100m)	2,2	3,5	6,3	10,7	15,3	17,8	19,2	22,1	26	29,8	32,5	38,7
MxV 7516 Attenuation (dB/100m)	1,4	2,5	4	6,3	9,5	11,5	12	13,4	17	20	20,9	26,5

Transmission Dis.	143Mb/s	177 Mb/s	270 Mb/s (SD)	360 Mb/s	1,5 Gb/s (HD)	3,0Gb/s
MxV 7510	560	510	420	280	110	80
MxV 7516	840	750	620	540	168	120

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



INSTALLATION
MOBILE
STUDIO

