

VIDEO CABLE HD-SDI



DIGITAL

HD-SDI

HALOGEN FREE

GAV 7510 HD

CONSTRUCTION DATA

Inner conductor	1,02 mm ϕ (AWG 20) Bare Copper
Insulation	4.8 mm ϕ Gas-injected foam
Shielding	Aluminum Foil % 100
Shielding	Tinned Copper Braiding % 95
Outer Jacket	Pvc
Outer Diameter	7 mm ϕ
Cable Weight	68 Kg/Km

ELECTRICAL DATA

DC resistance	< 22 Ω / km (Inner conductor) < 7 Ω / km (Shield)
Mutual capacitance	56 pF / m
Velocity of Propagation	83%
Characteristic Impedance	75 $\Omega \pm 1$
Screening factor	≥ 100 dB
Max. Operating Voltage	300 V Rms
Attenuation (db /100 Mt)	Return loss (dB)

Frequency (MHz)	Attenuation(db /100 Mt)	Frequency (MHz)	(dB)
1	0,9	50 – 300	≥ 26
10	2,2	300 – 3000	≥ 22
30	3,5	3000 – 3500	≥ 18
100	6,3	3500 – 5000	≥ 15
270	10,7		
540	15,3		
720	17,8		
800	19,2		
1000	22,1		
1500	26		
2000	29,8		
2250	32,5		
3000	38,7		

MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)
Temperature range	-30° C to +70° C

APPLICATION

Gabriel 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

