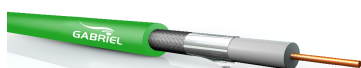


VIDEO CABLE HD-SDI



DIGITAL

HD-SDI

PVC

GAV 7516 HD

CONSTRUCTION DATA

Inner conductor	1,63 mm ϕ (AWG 14) Bare Copper
Insulation	7.11 mm ϕ Gas-injected foam
Shielding	Aluminum Foil % 100
Shielding	Tinned Copper Braiding % 95
Outer Jacket	PVC Compound
Outer Diameter	10 mm ϕ
Cable Weight	125 Kg/Km

ELECTRICAL DATA

DC resistance	< 9,5 Ω / km (Inner conductor) < 4,5 Ω / km (Shield)
Mutual capacitance	56 pF/m
Velocity of Propagation	78%
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	0,5	50 – 300	≥ 26
10	1,4	300 – 3000	≥ 22
30	2,5	3000 – 3500	≥ 18
100	4	3500 – 5000	≥ 15
270	6,3		
540	9,5		
720	11,5		
800	12		
1000	13,4		
1500	17		
2000	20		
2250	20,9		
3000	26,5		

MECHANICAL DATA

Minimum bending radius	5 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.



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