

VIDEO CABLE HD-SDI



GBr7CHD-L-7CHD

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	Inner conductor < 9,5 Ω / km Shield < 4,5 Ω / km
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	0,7	50 – 300	≥ 26
10	1,7	300 – 3000	≥ 22
30	2,7	3000 – 3500	≥ 18
100	4,8	3500 – 5000	≥ 15
270	7,4		
540	10,1		
1300	17,5		
1500	19,1		
2000	22,4		
2500	25,4		
3000	28,3		

MECHANICAL DATA

Min. Bending Radius	10 x D (D= outer diameter)
Temperatura 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.

