

VIDEO CABLE HD-SDI



GBR-5C HD

CONSTRUCTION DATA

Inner conductor	1,13 mm ϕ (AWG 17) Bare Copper
Insulation	4.8 mm ϕ Gas-injected foam
Shielding	Aluminum Foil % 100
Shielding	Tinned Copper Braiding % 93
Outer Jacket	PVC Compound
Outer Diameter	7,5 mm ϕ
Cable Weight	74 Kg/Km

ELECTRICAL DATA

DC resistance	Inner conductor < 18 Ω / km Shield < 8 Ω / km
Mutual capacitance	53 pF / m
Velocity of Propagation	80%
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)
10	2,1	50 – 300	≥ 26
30	3,3	300 – 3000	≥ 22
100	6,3	3000 – 3500	≥ 18
270	10,7	3500 – 5000	≥ 15
540	15,3		
800	17,6		
1000	19,2		
1500	22,5		
2000	26,8		
2250	28,5		
3000	32,9		

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. These cable products have low smoke density , halogen free and they don't emit poisonous gases.

