



VIDEO CABLES HD-SDI



VD 0.6 / 2.8 HD LSZH

✓STUDIO ✓INSTALLATION

HFFR HD-SDI ANALOG DIGITAL

VD 0.8 / 3.7 HD LSZH

APPLICATION

Ivox 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

CONSTRUCTION DATA

VD 0.6 / 2.8 HD LSZH
 Inner conductor 0,60 mm ø (AWG 23) Bare Copper
 Insulation 2,8 mm ø Gas-injected Foam
 Shielding Al / Pes Foil % 100
 Shielding Tinned Copper Braiding % 95
 Outer Jacket HFFR Compound
 Outer Diameter 4,5 mmø
 Cable Weight 2,7 Kg/100 m

VD 0.8 / 3.7 HD LSZH

0,81 mm ø (AWG 20) Bare Copper
 3,7 mm ø Gas-injected Foam
 Al / Pes Foil % 100
 Tinned Copper Braiding % 95
 HFFR Compound
 5,9 mmø
 4,7 Kg/100 m

ELECTRICAL DATA

DC resistance		
Inner conductor	< 55 Ω / km	< 35 Ω / km
Shield	< 17 Ω / km	< 10 Ω / km
Mutual capacitance	53 pF / m	56 pF/m
Velocity of Propagation	78%	82%
Characteristic Impedance	75 Ω ± 2	75 Ω ± 2
Screening factor	≥ 100 dB	≥ 100 dB
Max. Operating Voltage	300 V Rms	300 V Rms

Attenuation (db /100 Mt)

Frequency (MHz)	1	10	30	100	270	540	720	800	1000	1500	2000	2250	3000
VD 0,6 / 2,8 HD (db)	1.2	3.5	5.7	11.0	17.2	24	29.5	32.8	34.5	41.3	48.4	50.0	60.0
VD 0,8 / 3,7 HD (db)	0.9	2.9	4.5	7.9	12.8	18.3	21.0	22.8	25.5	32.0	36.5	39.5	47.5

Transmission Dis.	143Mb/s	177 Mb/s	270 Mb/s (SD)	360 Mb/s	1,5 Gb/s (HD)	3,0Gb/s
VD 0,6 / 2,8 HD (m)	290	280	240	200	80	40
VD 0,8 / 3,7 HD (m)	430	410	330	290	94	66

MECHANICAL DATA

Minimum bending radius 8 x D (D= O.D)
 Temperature range -30° C to + 70° C

Return loss (dB)
Frequency (MHz) (dB)
 50 – 300 ≥ 26
 300 – 3000 ≥ 22
 3000 – 3500 ≥ 18
 3500 – 5000 ≥ 15

- BLACK
 - BLUE
 - GREEN
- 48

