



VIDEO CABLES HD-SDI



VD 0.6 / 2.8 HD

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE

sPVC

HD-SDI

ANALOG

DIGITAL

VD 0.8 / 3.7 HD

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

Inner conductor
Insulation
Shielding
Shielding
Outer Jacket
Outer Diameter
Cable Weight

VD 0.6 / 2.8 HD

0,60 mm ø (AWG 23) Bare Copper
2,8 mm ø Gas-injected Foam
Al / Pes Foil % 100
Tinned Copper Braiding % 95
Pvc
4,5 mmø
2,7 Kg/100 m

VD 0.8 / 3.7 HD

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

ELECTRICAL DATA

DC resistance

Inner conductor
Shield

Mutual capacitance

Velocity of Propagation

Characteristic Impedance

Screening factor

Max. Operating Voltage

< 55 Ω / km
< 17 Ω / km
53 pF/m
78%
75 Ω ± 2
≥ 100 dB
300 V Rms

< 35 Ω / km
< 10 Ω / km
56 pF/m
82%
75 Ω ± 2
≥ 100 dB
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

Temperature range

8 x D (D= O.D)

-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

