



## HYBRID CABLES

### VIDEO + AUDIO + POWER HYBRID

✓STUDIO ✓INSTALLATION

±PVC OFC DIGITAL

#### APPLICATION

Designed specifically for high-definition (HD) cameras, these composite cables can multiplex audio and video signals and power. Ivox hybrid cable can offer the wide range of functionality and the performance required for complex devices and applications without the clutter.

#### CONSTRUCTION DATA

Video	2 x VD 0.8/3,7 HD
Inner conductor	0,81 mm ø (AWG 20) Bare Copper
Insulation	3.7 mm ø Gas-injected foam
Shielding	Aluminum Foil % 100
Shielding	Tinned Copper Braiding % 95
Outer Jacket	Pvc. 5,9 mm ø
Audio	2 x VP 223 SWAN
Core Numbers x Section:	2 x 0,22 mm <sup>2</sup> (AWG 24)
Stranded Copper Conductor	7 x 0,20 mm ø Tinned copper
Conductor Insulation	1,20 ± 0,05 mm ø XLPE
Conductor Color Code	Blue / Red
Shielding	Al / Pes - Foil + Drain wire
Shielding Factor	100%
Outer Jacket	Pvc. 3,0 mm ø
Power cores	
Core Numbers x Section	3 x 2,50 mm <sup>2</sup> (AWG 13)
Stranded Copper Conductor	45 x 0,25 mm ø Stranded bare copper
Conductor Insulation	3,60 ± 0,05 mm ø PVC
Outer Jacket	10,5 mm ø
Cable Outer Diameter	26,5 mm ø
Cable Weight	40 kg /100 m
Outer jacket:	sPvc Matt ,Black

#### ELECTRICAL DATA

Conductor Resistance	Audio	< 85 Ω / km
	Power	< 7,1 Ω/ km
	Video	< 35 Ω / km
Shield Resistance		< 75 Ω / km
Insulation Resistance		> 2000 MΩ x km
Capacitance	Audio	65 pF / m
		130 pF / m
	Audio	600 Ω /100 m
	Video	56 pF/m
Nominal Impedance		82%
Mutual capacitance		75 Ω ± 2
Velocity of Propagation		≥ 100 dB
Characteristic Impedance		300 V Rms
Screening factor		Return loss (dB)
Max. Operating Voltage		
Attenuation (db /100 Mt)		

#### MECHANICAL DATA

Minimum bending radius	12 x D ( D= outer diameter )
Temperature range	- 30° C to + 70° C

Attenuation (db /100 Mt)														
Frequency (MHz)	1	10	30	100	270	540	720	800	1000	1500	2000	2250	3000	
Attenuation (dB/100m)	0,9	2,9	4,5	7,9	12,8	18,3	21	22,8	25,5	32	36,5	39,5	47,5	

