



## ANALOG AUDIO MULTICORE CABLES BALANCED



**ORION**

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE

sPVC OFC ANALOG

### APPLICATION

Ivox orion multicore cables are designed for the highest level of audio performance and feature superb electrical and mechanical characteristics while remaining compact, superflexible and easy to use. The double spiral shielded pure copper for each channel provides 100% screening coverage, providing a perfect protection against both electrostatic and magnetic stray fields. Each signal channel features a symmetrical structure with a shielded pair of conductors for balanced signal transmission.

### CONSTRUCTION DATA

Core Numbers x Section:	2 x 0,20 mm <sup>2</sup> (AWG 24)
Stranded Copper Conductor	25 x 0,10 mm Ø Stranded Bare Copper
Conductor Insulation	1,20 ± 0,05 mm Ø XLPE
Conductor Color Code	Blue / Red
1st Shield	Copper spiral shielding
2nd Shield	Copper spiral shielding
Shielding Factor	100%
Pair Jacket	3,3 mm Ø Pvc
Outer Jacket	sPvc Matt ,Black

Description	No. of Channels	No. of Conductors	Ov. Dia. (App.mm)	Weight (kg/100m)
Orion 4	4-ch	4 x 2 x 0,20 mm <sup>2</sup>	11,2 mm Ø	15 kg
Orion 8	8-ch	8 x 2 x 0,20 mm <sup>2</sup>	14 mm Ø	27 kg
Orion 16	16-ch	16 x 2 x 0,20 mm <sup>2</sup>	18,5 mm Ø	47 kg
Orion 24	24-ch	24 x 2 x 0,20 mm <sup>2</sup>	23 mm Ø	68 kg
Orion 32	32-ch	32 x 2 x 0,20 mm <sup>2</sup>	26 mm Ø	86 kg
Orion 48	48-ch	48 x 2 x 0,20 mm <sup>2</sup>	29,6 mm Ø	123 kg

### ELECTRICAL DATA

Conductor Resistance	< 90 Ω / km	
Shield Resistance	< 20 Ω / km	
Insulation Resistance	> 2000 MΩ x km	
Velocity of Propagation	66%	
Capacitance		
	core/core	75 pF / m
	core/screen	130 pF / m
Nominal Impedance	1 KHz	600 Ω / 100 m

### MECHANICAL DATA

Minimum bending radius	5 x D ( D= outer diameter )
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C

■ BLACK

