



ANALOG HYBRID CABLES



AXION 311

✓MOBILE ✓STUDIO ✓INSTALLATION ✓STAGE

AXION 321

APPLICATION

The AXION 311 hybrid cable with a 3 x 1,5 mm² / 3 x 2,5 mm² mains power cable combined with one twisted pairs The analog signal pair is shielded by aluminium/polyester foil screen and covered with a black PVC jacket. Also used for analog audio cabinets when power is supplied.

CONSTRUCTION DATA

Control pair
Core Numbers x Section
Stranded Copper Conductor
Conductor Insulation
Conductor Color Code
Stranded Drain Wire
Shielding
Shielding Factor
Outer Diameter

Power cores
Core Numbers x Section
Stranded Copper Conductor
Conductor Insulation
Outer jacket:
Outer Diameter
Weight

AXION 311

1 Pair
2 x 0,22 mm² (AWG 24)
7 x 0,20 mm ø Tinned Copper
1,20 ± 0,05 mm ø XLPE
Blue / Red
7 x 0,20 mm ø Tinned Copper
Al / Pes - Foil
100%
3,2 mm ø PVC

3 x 1,50 mm² (AWG 15)
27 x 0,25 mm Stranded Bare Copper
2,95 ± 0,05 mm ø PVC
sPvc Matt ,Black
10,5 mm ø
15,6 kg/100 m

AXION 321

1 Pair
2 x 0,22 mm² (AWG 24)
7 x 0,20 mm ø Tinned Copper
1,20 ± 0,05 mm ø XLPE
Blue / Red
7 x 0,20 mm ø Tinned Copper
Al / Pes - Foil
100%
3,2 mm ø PVC

3 x 2,50 mm² (AWG 13)
45 x 0,25 mm Stranded Bare Copper
3,60 ± 0,05 mm ø PVC
sPvc Matt ,Black
11,5 mm ø
18,6 kg/100 m

ELECTRICAL DATA

Conductor Resistance Control < 85 Ω / km
Power < 11 Ω / km
Shield Resistance < 75 Ω / km
Insulation Resistance > 2000 MΩ x km

Capacitance Control
core/core 75 pF / m
core/screen 130 pF / m
Nominal Impedance 1 KHz 600 Ω /100 m

< 85 Ω / km
< 7,1 Ω / km
< 75 Ω / km
> 2000 MΩ x km

75 pF / m
130 pF / m
600 Ω /100 m

MECHANICAL DATA

Minimum bending radius
Temperature range
Mobile installation
Fixed installation

12 x D (D= outer diameter)

- 5° C to + 70° C
-30° C to + 70° C

■ BLACK

