



## DIGITAL HYBRID CABLES



**DMX AXION 311**

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE

sPVC

OFC

DIGITAL

**DMX AXION 321**

### APPLICATION

The DMX AXION 311 and 321 hybrid cable with a 3 x 1,5 mm<sup>2</sup> / 3 x 2,5mm<sup>2</sup> mains power cable combined with one twisted pairs The digital DMX signal pair is shielded by aluminium/polyester foil screen and covered with a black sPVC jacket. Also used for digital audio cabinets and lighting control when power connection

### 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

### DMX AXION 311

1 Pair  
2 x 0,22 mm<sup>2</sup> (AWG 24)  
7 x 0,20 mm ø Tinned Copper  
1,40 ± 0,05 mm ø Foam-Skin Pe  
Blue / Red  
7 x 0,20 mm ø Tinned Copper  
Al / Pes - Foil  
100%  
3,5 mm ø PVC  
3 x 1,50 mm<sup>2</sup> (AWG 15)  
27 x 0,25 mm Stranded Bare Copper  
2,95 ± 0,05 mm PVC  
sPvc Matt ,Black  
10,5 mm ø  
16 kg/100 m

### DMX AXION 321

1 Pair  
2 x 0,22 mm<sup>2</sup> (AWG 24)  
7 x 0,20 mm ø Tinned Copper  
1,40 ± 0,05 mm ø Foam-Skin Pe  
Blue / Red  
7 x 0,20 mm ø Tinned Copper  
Al / Pes - Foil  
100%  
3,2 mm ø PVC  
3 x 2,50 mm<sup>2</sup> (AWG 13)  
45 x 0,25 mm Stranded Bare Copper  
3,60 ± 0,05 mm 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 40 pF / m  
core/screen 80 pF / m  
Nominal Impedance 1 KHz 120 Ω /100 m

< 85 Ω / km  
< 7,1 Ω/ km  
< 75 Ω / km  
> 2000 MΩ x km  
40 pF / m  
80 pF / m  
120 Ω /100 m

### MECHANICAL DATA

Minimum bending radius 12 x D ( D= outer diameter )  
Temperature range  
Mobile installation - 5° C to + 70° C  
Fixed installation -30° C to + 70° C

■ BLACK

