

## AES/EBU & DMX-CABLES



OFC

DIGITAL

LSZH

ANALOG

## GAD 42 SQ DMX512 FRNC-C

### CONSTRUCTION DATA

<b>Core Numbers x Section</b>	4 x 0,22 mm <sup>2</sup> (24 AWG)
<b>Stranded Copper Conductor</b>	7 x 0,20 mm Ø Stranded bare copper
<b>Conductor Insulation</b>	1,40 ± 0,05 mm Ø Foam-Skin Pe
<b>Conductor Color Code</b>	White / Red / Black / Green
<b>Shield</b>	Copper spiral shielding
<b>Shielding Factor</b>	100%
<b>Outer Sheath</b>	Lszh Compound ,Black (RAL 9005)
<b>Outer Diameter</b>	5,8 ± 0,1 mm Ø
<b>Weight</b>	61 kg/100m

### ELECTRICAL DATA

<b>Conductor Resistance</b>	≤ 53 Ω/km
<b>Shield Resistance( 500v)</b>	≥ 2000 MΩ*km
<b>Insulation Resistance</b>	> 2000 MΩ x km
<b>Velocity of Propagation</b>	78%
<b>Capacitance</b>	45 pF / m (core/core)
	110 pF / m (core/screen)
<b>Nominal Impedance</b>	20 KHz 110 Ω /100 m
<b>Attenuation</b>	1 MHz 2,9 dB
	3 MHz 3,8 dB
	10 MHz 6,9 dB
<b>Test voltage</b>	0.5 kVeff (core/core )
	1.0 kVeff (core/screen)

### MECHANICAL DATA

<b>Minimum bending radius</b>	8 x D ( D= outer diameter )
<b>Temperature range</b>	<b>Mobile installation</b> - 5° C to + 70° C
	<b>Fixed installation</b> -30° C to +70° C

### APPLICATION

Gabriel 512 DMX Digital cables are engineered for digital AES/EBU audio equipment and for DMX512 data transmission in lighting control applications. They feature 110 ohm nominal impedance and an extremely low capacitance.

The Low Smoke Zero Halogen sheath makes it ideal for use in public buildings where Low Smoke Zero Halogen is specified.



MOBIL  
STUDIO  
INSTALLATION  
STAGE  
**GABRIEL**