



OmniFIX double shielded AES/EBU multicore n x 2 x 0.22 mm² - FRNC

- 0.22 mm² conductor cross section (AWG 24)
- double shielding (pair and overall Al foil)
- AL/PETP foil bonded to pair jacket for fast assembly
- flame retardant and non corrosive (FRNC)
- CPR class Eca acc. to EN50575

FRNC

Eca

2-24 pairs

A multicore for balanced digital and analog signal transmission in studios and installations offering excellent handling characteristics. Tinned copper conductors and foil shields, with underneath placed drain wires, bonded to the pair jackets enable a rapid processing. To prevent any confusion in channel assignment the pair sheaths are colour-coded in groups of eight and numbered consecutively. An aluminium overall foil shield offers 100% coverage and protects reliably from external HF-interference. The robust FRNC jacket enables use in installations.

construction

cond. construction	stranded tinned copper, 7 x 0.20 mm (AWG 24/7)
cond. cross section	0.22 mm ²
insulation	Foam-Skin PE, red & blue
pair shielding	stranded tinned copper drain wire + AL/PET foil
pair jacket	FRNC, grey, numbered
cable stranding	n pairs twisted in layers
overall shield	stranded tinned copper drain wire + AL/PET foil
outer jacket	FRNC

mechanics

min. bending radius	8x overall diameter
working temperature	-20°C / +70°C
flame retardancy	acc. to IEC 60332-1-2
halogen-free	acc. to IEC 60754-2

electric

conductor resistance	< 85 Ω/km
capacitance	
cond./cond.	47 pF/m
characteristic impedance	110 Ω
attenuation [dB/100m]	
1 MHz	2.7
3 MHz	4.3
4 MHz	4.7
6 MHz	5.6
10 MHz	7.2
20 MHz	9.7
crosstalk attenuation	
15 kHz	> 100 dB
10 MHz	> 80 dB
insulation resistance	> 1 GΩ x km
test voltage	
cond./cond.	1200 V
cond./shield	500 V

order code	no. of pairs	outer Ø mm	heat of combustion kWh/km	cable color	weight kg/m
OX22AH02	2	10.2	570	black	0.1
OX22AH04	4	11.9	790	black	0.16
OX22AH08	8	15.6	1240	black	0.29
OX22AH12	12	19.4	1740	black	0.4
OX22AH24	24	27.0	3310	black	0.74

technical specifications are subject to change