



OmniFIX double shielded AES/EBU multicore

n x 2 x 0.22 mm² - PVC

- 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

sale **PVC** **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, flame retardant PVC jacket enables use in installations.

construction

cond. construction stranded tinned copper, 7 x 0.20 mm (AWG 24/7)
 cond. cross section 0.22 mm²
 insulation Foam-Skin PE, red & blue
 pair shielding stranded tinned copper drain wire + AL/PET foil
 pair jacket PVC, color coded in steps of 8 pairs and numbered
 consecutively
 cable stranding n pairs twisted in layers
 overall shield stranded tinned copper drain wire + AL/PET foil
 outer jacket PVC

mechanics

min. bending radius 8x overall diameter
 working temperature -20°C / +70°C

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
 10 MHz 7.3
 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
OX22AY02	2	10.2	490	black	0.1
OX22AY04	4	11.7	670	black	0.16
OX22AY06	6	14.4	950	black	0.21
OX22AY08	8	15.5	1060	black	0.29
OX22AY12	12	19.1	1480	black	0.36
OX22AY16	16	21.2	1880	black	0.45
OX22AY24	24	26.3	2840	black	0.67

technical specifications are subject to change