

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

- 0.22 mm² conductor cross section (AWG 24)
- pair shield and double overall shield (foil and braid)
- AL/PETP foil bonded to pair jacket for fast assembly
- flame retardant and non corrosive (FRNC - bundle test category C)

sale

FRNC

4-12 pairs

Efficient shielding, extra-long transmission distances of up to 300 metres and compact design despite its high conductor cross-section of 0.22 mm²: the OmniFIX TripleShield is ideal for both analogue and digital audio. The multicore comes into its own in installation applications involving long distances and high electromagnetic interference from sources such as mobile telephones, lighting cables and control systems or other electronic control systems that emit interference. Triple shielding provides the cable with optimum protection. The individual wire pairs with low signal attenuation are enclosed in an aluminium foil screen with drain wire to ensure high crosstalk attenuation. Each audio element has an ultra-thin numbered TPE-E tubular pair jacket, keeping the volume of the multicore to a minimum - and the more compact the cable, the lower the fire load. The overall shield comprises an AL foil with copper drain wire and extra-dense braided copper shield with 85 per cent screening. The flame-retardant halogen-free FRNC outer jacket is a further advantage in installation applications; the cable is classified in bundle test category C.

construction

cond. construction	stranded tinned copper, 7 x 0.20 mm
cond. cross section	n x 2 x 0.22 mm ²
insulation	Foam-Skin PE, white & blue
pair shielding	stranded tinned copper drain wire + AL/PET foil
pair jacket	TPE-E, silver-grey, numbered
overall shield	AL/PET foil + tinned stranded drain wire + tinned copper braid (coverage 85%)
outer jacket	FRNC

mechanics

min. bending radius	10x overall diameter
working temperature	-30°C / +70°C
flame retardancy	acc. to IEC 60332-1-2 and IEC60332-3-24
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	2.3
3 MHz	3.9
6 MHz	5.3
10 MHz	6.9
crosstalk attenuation	
15 kHz	100 dB
10 MHz	80 dB
insulation resistance	> 30 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
OX22CH04	4	11.0	459	grey	0.16
OX22CH08	8	14.0	703	grey	0.28
OX22CH12	12	17.2	1035	grey	0.31

technical specifications are subject to change