



FRNC

Eca

AES/ EBU digital wiring cable**2 x 0.14 mm² - FRNC**

- 0.14 mm² conductor cross section (AWG 26)
- 110 Ohm characteristic impedance
- AL/PET foil shield
- just 3.2 mm outer diameter
- flame retardant and non corrosive (FRNC)
- CPR class Eca acc. to EN50575

The most frequent applications for this balanced cable are wiring of digital equipment and patch boards for professional audio engineering. The characteristic impedance of 110 ohm makes it suitable for digital symmetrical sound transmission according to the AES3 standard as well as the transmission of DMX signals. The use of foam polyethylene for core insulation results in a very compact outside diameter.

construction

cond. construction	tinned copper braid, 7 x 0.16 mm
cond. cross section	0.14 mm ²
insulation	Foam-Skin PE
shielding	stranded tinned copper drain wire + AL/PET foil
outer jacket	FRNC
overall diameter	3.2 mm

mechanics

min. bending radius	20 mm
working temperature	-30°C / +70°C
flame retardancy	acc. to IEC 60332-1
halogen-free	acc. to IEC 60754-2

electric

conductor resistance	< 135 Ω/km
capacitance	
cond./cond.	44 pF/m
characteristic impedance	110 Ω
attenuation [dB/100m]	
1 MHz	3.3
3 MHz	5.3
10 MHz	8.4
insulation resistance	> 10 GΩ x km
test voltage	
cond./cond.	1200 V
cond./shield	500 V

order code	outer jacket	outer Ø mm	cable color	weight kg/m	standard lengths m
OTW203H	FRNC	3.2	black	0.02	50 / 100 / 200 / 500

technical specifications are subject to change