

**OmniTRANS - AES/ EBU (DMX) cable for mobile applications - PVC**

- double shielded (AL foil + braid)
- robust jacket, Ø 6.0 mm

PVC

The sturdy digital 110 ohm cable for the transmission of digital AES/EBU audio signals and digital DMX light control signals. The benefits of this cable are its very low capacitance and attenuation constant as well as extremely dense shielding: the requirements for interference-free connection over long distances. The sapphire blue colour permits fast signal identification in confusing cable bundles.

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
core arrangement	2 cores twisted to a pair
shielding	AL/PET foil + tinned stranded drain wire + tinned copper braid (coverage 85%)
outer jacket	PVC, matt
overall diameter	6.0 mm

mechanics

min. bending radius	30 mm
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	2.3
3 MHz	3.9
10 MHz	6.9
insulation resistance	> 30 GΩ x km
test voltage	
cond./cond.	1200 V
cond./shield	500 V

order code	outer jacket	outer Ø mm	color	weight kg/m	standard lengths m
OT206YS	PVC	6.0	black	0.04	50 / 100 / 200 / 300 / 500
OT206YB	PVC	6.0	sapphire blue	0.04	50 / 100 / 200 / 300 / 500

technical specifications are subject to change