



OminiTRANS mobile AES/EBU cable

2x 0.22 mm² - PVC

- 0.22 mm² conductor cross section (AWG 24)
- 110 Ohm characteristic impedance
- very dense copper spiral shield
- flexible, robust outer jacket, Ø 6.5 mm

PVC

The usage of cables in theatres and on stages often requires contradictory specifications to the lines used. Flexibility and at the same time robustness in relation to extremely high mechanical stress are needed. These are realised with the OT2000 by cotton filling threads in the interstices, which provide for a stable pair twisting, needed for repeated winding and unwinding, a very close spiral screen and a very thick outer jacket from soft PVC rounds off the cables characteristics.

design

cond. construction	stranded tinned copper, 7x 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	tinned copper spiral shield, 95% coverage
outer jacket	PVC, matt

mechanical & thermal characteristics

operating temperature	-30°C / +70°C
min. bending radius	
installed	5x overall diameter
mobile use	10x overall diameter
no hazardous substances	acc. to EU directive RoHS 2011/65/EU from 08.06.2011
CE conformity	acc. to EU directive LVD 2006/95/EG
REACH conformity	acc. to REACH regulation 1907/2006
flame retardancy	acc. to IEC 60332-1-2
heat of combustion	843 kJ/m

electric

conductor resistance	85 Ω/km
shield resistance	30 Ω/km
capacitance	
cond./cond.	50 pF/m
characteristic impedance	110 Ω
nom. attenuation [dB/100m]	
1 MHz	2.6
3 MHz	4.0
4 MHz	4.4
6 MHz	6.2
10 MHz	8.9
20 MHz	15.6
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
OT2000	PVC	6.5	black	0,05	50 / 100 / 200 / 300 / 500

technical specifications are subject to change