

**OmniTRANS low loss AES/EBU (DMX) installation cable****2x 0.34 mm<sup>2</sup> - FRNC - DCA**

- 0.34 mm<sup>2</sup> conductor cross section (AWG 22)
- 110 Ohm characteristic impedance
- double shielded (AL/PET foil + braid)
- flame retardant and non corrosive (FRNC)
- CPR class Dca - s1, d1, a1 acc. to EN50575 (IEC 60332)

This stable and ultra-rugged cable is at home in installations. Its large conductor cross-section of 0.34 mm<sup>2</sup> contributes to its extra-low signal attenuation, making it ideal for smooth long-distance transmission of analogue and digital audio signals and DMX control signals. The cable features dual shielding, with an Al-PET foil and an extra-densely braided copper shield with 85-percent screening. The outer FRNC jacket is halogen-free and flame-retardant.

**design**

cond. construction	stranded tinned copper, 7x 0.25 mm
cond. cross section	0.34 mm <sup>2</sup>
insulation	foam-skin PE
shielding	AL/PET foil + tinned stranded drain wire + tinned copper braid (coverage 85%)
outer jacket	FRNC

**mechanical & thermal characteristics**

operating temperature	-30°C / +40°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 2014/35/EU
REACH conformity	acc. to REACH regulation 1907/2006
halogen-free	acc. to IEC 60754-1
non corrosive	acc. to IEC 60754-2
low smoke emission	acc. to IEC 61034-1 and IEC 61034-2
flame retardancy	acc. to IEC 60332-1-2
heat of combustion	490 kJ/m

**electric**

conductor resistance	< 53 Ω/km
capacitance	
cond./cond.	47 pF/m
characteristic impedance	110 Ω
nom. attenuation [dB/100m]	
1 MHz	1.8
3 MHz	3.2
10 MHz	5.4
insulation resistance	> 50 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
OT234H-D	FRNC	5.8	black	0,04	50 / 100 / 200 / 300 / 500