HELUEVENT® AUDIO DIGITAL-TP-FRNC-UV BLACK

multipair, halogen-free





TECHNICAL DATA

Audio cable digital AES/EBU 110 Ohm

Temperature range	flexible -25°C to +70°C fixed -40°C to +70°C
Nominal voltage	300 V
Test voltage	2000 V
Conductor resistance at 20°C	max. 85.8 Ohm/km
Insulation resistance	min. 1 GOhm x km
Capacitance (core/core)	approx. 46 pF/m
Capacitance (core/shield)	approx. 92 pF/m
Characteristic Impedance (nom.)	110 Ohm
Minimum bending radius	flexible 10x Outer Ø fixed 5x Outer Ø

CABLE STRUCTURE

- Copper wire bare, extra finely stranded acc. to DIN VDE 0295 Class 6 / IEC 60228 cl. 6
- Core insulation: Foam-PE
- Core identification: white, turquoise
- Cores stranded in pairs with drain wire with optimal lay lengths
- Screening element: Pairs, plastic-coated aluminium foil (St)
- Element sheath: LSZH soft grey (1-8); black (9-12)
- Pairs stranded in layers with optimal lay lengths
- 1. Screen: plastic-coated aluminium foil (St)
- 2. Screen: braided screen of tinned copper wires, approx. coverage 55%
- Outer sheath: LSZH soft
- Sheath colour: black
- Langth marking: in metres

PROPERTIES

- resistant to: UV radiation
- analog
- digital 110 Ohm
- Signal transmission: symmetrical (balanced)
- halogen-free

TESTS

- flame-retardant acc. to IEC 60332-1
- halogen-free acc. to IEC 60754-1
- fire retardant acc. to IEC 60332-3 Cat. C
- smoke density acc. to IEC 61034-2

APPLICATION

The multipair HELUEVENT® AUDIO DIGITAL-TP-FRNC-UV BLACK cable is distinguished by its pair-by-pair shielding, element sheaths and additional overall shielding. The cable is easy to work with and ideally suited for transmitting digital audio signals (110 Ohm data format) for studio and permament installations. Due to its halogen-free structure, this cable is recommended for use in public buildings, theatres, museums, stadiums and cruise ships.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only

Part no.	No. Cores x cross sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
11027649	2 x 2 x 0.25	24	10	32	125
11027650	4 x 2 x 0.25	24	11.9	55	175
11027651	8 x 2 x 0.25	24	15.5	93	330
11027652	12 x 2 x 0.25	24	19.9	139	450

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