



DATA SHEET	3034439
UNITRONIC® VIDEO / AUDIO / CONTROL BK	Valid from: 11.12.2008

Usage

The combi cable can be used as Audio, Video, BUS- and energy cable, e.g. for connection of light or power mixer, LAN- and NET application, DMX-Systems, Speaker, etc.

Perfect for studio, on stage for theatre or concert, also for public buildings. Usable indoor and outdoor.

Technical data

UNITRONIC® VIDEO / AUDIO / CONTROL BK

4x1,5+7x0,38/1,6(RGB Coax C)Y+9x0,14+(1x0,14 D)Y+2x(2x0,14 AL D)Y+2xLWL

Make-up 4x1,5

Conductor super fine strands of plain copper wires (Class 6)
Insulation Soft-PVC
Colour code black with white numbers 1 - 4

Make-up 7x0,38/....(RGB Coax C)Y

Conductor strands of plain copper wires, 7x0,38 mm
Dielectric Cell-PE with inner- and outer skin, white
Screen copper braid, tinned, coverage: min. 95%
Sheath Soft-PVC coloured (YE, OG, GN, BU, VIO, BR, BK)
Diameter approx. 1,6 mm

Make-up 9x0,14

Conductor strands of plain copper wires, 18x0,10 mm
Core Insulation PP
Colour Code WH, RD, YE, OG, GN, BU, VIO, BN, GY

Make-up (1x0,14 D)Y

Conductor strands of plain copper wires, 18x0,10 mm
Core Insulation PP
Colour Code BK
Screen layer of tinned copper wires, coverage: 100%
Sheath Soft-PVC

Make-up 2x(2x0,14 AL D)Y

Conductor strands of plain copper wires, 18x0,10 mm
Core Insulation PP
Colour Code per pair WH/RD
Twisting each 2 cores twisted as pair with short lay length
Extra element aluminium foil, metal outside
Screen layer of tinned copper wires, coverage: 100 %
Sheath Soft-PVC 1xBL, 1xRD

Make-up 2 x P O F:

Optical fibre PMMA with step index fibre
Insulation PE, black like RAL 9005
Colour code one core insulation with white points, one insulation without print

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Overall make-up

Twisting	all elements (Video, Audio, Fibre, Control, Net) twisted together with an optimum lay length
Outer sheath	Soft-PVC, black like RAL 9005
Outer diameter	approx. 15,0 mm
Temperature range	fixed installation: -25 up to +70° C max. core temperature
Minimum bending radius	10 x cable diameter for fixed installation
Flame retardance	according IEC 60 332.1 / VDE 0482 Part 265-2-1

Electrical Data:

Nominal voltage NET:	24 V
Nominal capacity Audio: C/C	80 pF/m
Nominal capacity Audio: C/S	138 pF/m
Nominal capacity Video: C/S	59 pF/m
Nominal impedance Video:	75 Ohm +/- 3%

Damping Video (100 m + 20 °C):

2,4 dB	1 MHz
6,8 dB	10 MHz
9,0 dB	20 MHz
12,4 dB	40 MHz
14,6 dB	60 MHz
17,0 dB	80 MHz
20,0 dB	100 MHz

Audio:

Capacity:	
Core – Core	80 pF/m
Core – Screen	138 pF/m

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