



DATA SHEET

3034440

UNITRONIC® VIDEO / AUDIO / LAN / NET 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-BUS-Systems, Speaker, etc.

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

Technical data

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(3G2,5 C)Y+ 8x0,6/2,8(RGB Koax AL C)Y+ 2x(2x0,14 AL D)Y + 2x(4x2x23AWG STP/S CAT.6)Y + 2xLWL

Make-up (3G2,5C)Y

Conductor	fine strands of plain copper wires acc. VDE 0295 class 5
Core insulation	Soft-PVC
Colour code	VDE 0293-308 with gn/ye
Twisting	cores twisted in optimum lay length
Extra element	Fleece tape
Screen	copper braid, tinned, coverage: min. 85%
Sheath	Soft-PVC black like RAL 9005
Diameter	approx. 13,8 mm

Make-up 8x0,6/2,8(RGB Koax AL C)Y

Conductor	strands of plain copper wires, 7x0,34 mm
Diameter	approx. 0,6 mm
Dielectric	Cell-PE white
Diameter	approx. 2,8 mm
Extra element	aluminium foil, metal outside
Screen	layer of tinned copper wires, coverage: 95 %
Sheath	Soft-PVC, coloured (GY, YE, VIO, BK, WH, BU, GN, RD)

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

Conductor	strands of tinned copper wires, 18x0,10 mm
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
Drain wire	tinned, 18x0,10 mm
Screen	layer of tinned copper wires, coverage: 100 %
Sheath	Soft-PVC GY, like RAL 7035
Print:	1. Element Number 1 black / 2. Element Number 2 black

Make-up 2x(4x2x23AWG STP/S CAT.6)Y

Conductor	strands of plain copper wires, 7x0,16 mm
Insulation	PE
Colour code	per pair: white/blue-blue, white/orange-orange, white/green-green, white/brown-brown
Twisting	each 2 cores twisted as pair with short lay length, pairs twisted with a central cross
Extra element	aluminium foil, metal outside
Screen	layer of tinned copper wires, coverage: 85 %
Sheath	PVC GY, like RAL 7035
Print	1. Element Number 1 black / 2. Element Number 2 black
Diameter	approx. 6,2 mm



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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

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. 26,5 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

Nominal voltage NET:	300/500V
Test voltage NET:	3000 V
Capacity Audio: C/C	65pF/m
Capacity Video: C/S	59pF/m
Capacity Audio: C/S	130pF/m
Impedance Video:	75 Ohm +/- 3%

Damping (100 m +20°C):

0,7 dB	0,1 MHz
1,6 dB	1 MHz
4,4 dB	10 MHz
8,8 dB	50 MHz
11,6 dB	100 MHz
14,3 dB	150 MHz
25,1 dB	270 MHz

CAT.6 Element:

Frequency:	250MHz
Impedance:	100 Ohm +/- 15%

Electric values of the CAT. 6 Elements according EIA/TIA-568 and TSB36, ISO/IEC 11801 (EN 50173 cl.D)

Elaborated by: SBU Rainer Mebus	Document: DB3034440_2EN	Page 2 of 2
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