



# DATA SHEET

3034438

UNITRONIC® VIDEO / AUDIO / 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-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 / NET BK (3G1,5C)11Y+3x(RGB Koax AL C)12Y+4x(2x0,14 AL D)11Y

### Make-up (3G1,5C)12Y

Conductor	fine strands of plain copper wires (Class 5)
Insulation	PUR halogen free
Colour code	VDE 0293-308 with green/yellow
Twisting	in layer
Extra element	fleece tape
Screen	copper braid, tinned
Sheath	PUR halogen free
Diameter	approx. 7,1 mm

### Make-up 3 x 0,6/2,8(RGB Koax AL C)

Conductor	fine strands of plain copper wires, 7x0,22 mm
Dielectric	Cell-PE white, diameter: ca. 2,94 mm
Extra element	aluminium foil
Screen	copper braid, tinned
Sheath	TPE-E coloured (BK, WH, BU, GN, RD),
Diameter	approx. 4,2 mm

### Make-up 4x(2x0,14 AL D)11Y

Conductor	copper wires, tinned, 19x0,10 mm
Insulation	PP, Diameter: 1,48 – 1,53 mm
Colour code per pair:	WH/RD
Twisting	each 2 cores twisted as pair with short lay length
Extra element	aluminium foil, Drain wire tinned: 7x0,16 mm
Screen	layer of tinned copper wires, coverage: 95%
Sheath	PUR 11 Y, black
Print	1. Element Number 1 black / 2. Element Number 2 black / 3. Element Number 3 / 4. Element Number 4
Diameter	approx. 4,2 mm

**Make-up overall** all elements twisted together, outer sheath PUR halogen free black,  
Outer diameter approx. 18,8 mm

## Mechanical Data

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



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**Electrical Data**

Nominal voltage:	300/500V (NET)
Test voltage:	3 kV (NET)
Nominal capacity Audio:	C/C 49 pF/m
Nominal capacity Video:	C/C 58 pF/m
Nominal impedance AUDIO:	nom. 108 Ohm at 100 MHz
Nominal impedance VIDEO:	nom. 75 Ohm at 100 MHz

## Damping Coax (100 m +20 °C):

nom. 0,72 dB 0,1 MHz  
nom. 1,34 dB 1 MHz  
nom. 3,9 dB 10 MHz  
nom. 12,4 dB 100 MHz