



DATA SHEET	3035937
UNITRONIC® STAGE CONTROL NET BK	Valid from : 11.12.2008

Usage

This combi cable can be used in many application, especially for mixer / control units for moving stage application, e.g. integrated turning workpeaces, electric hoist, etc.
Additionally one CAT 5 Element for network data transmission is integrated.
Perfect for studio, on stage for theatre or concert, also for public buildings. Usable indoor and outdoor.

Make-up

UNITRONIC STAGE CONTROL NET BK (6x2xAWG26/7StC2Y)+4x2,5+4x1,5+5x(2x0,5)

Element A

6x(2xAWG26/7St):

100Ohm at 100Mhz

Insulation: Foam-Skin

Core diameter: 1,25+-0,1mm

Core-Ident-Code: white/brown, green/yellow, grey/pink, blue/red, black/violett, pink-grey/blue-red

per 2 cores twisted for pairs + 1 filler (polyester)

per pair: foil-claded polyester foil (metal outside)

Over all twisting:

6 pairs over filler twisted in one layer

Drain wire, tinned (7x0,15 mm)

Copper screen, tinned, 0,10 mm (opt. coverage approx. 80%)

Inner sheath: PE, black

Diameter approx. 9,0mm

Element B

4x2,5qmm:

plain copper strands acc. VDE 0295 class 6 (142x0,15mm)

Insulation: TPE (12Y)

Core diameter: approx. 2,9 mm

Core-Ident-Code: black cores with white numbers 6,7,9,10

Element C

4x1,5qmm:

plain copper strands acc. VDE 0295 class 6 (85x0,15mm)

Insulation: TPE (12Y)

Core diameter: approx. 2,2 mm

Core-Ident-Code: black cores with white numbers 1 bis 4

Element D

5x2x0,5qmm:

plain copper strands acc. VDE 0295 class 6 (28x0,15mm)

Insulation: TPE (12Y)

Core diameter: approx. 1,6 mm

2 cores twisted to pairs

Core-Ident-Code of pairs:

white/brown, green/yellow, grey/pink, blue/red, black/violett

Over all twisting:

Core: 6x(2xAWG26/7St)

1.layer: Element 2,5 qmm+1,5 qmm+0,5 qmm twisted in one layer

Tape: Polyester foil

Copper screen, tinned 0,15 mm (optical coverage approx. 85%)

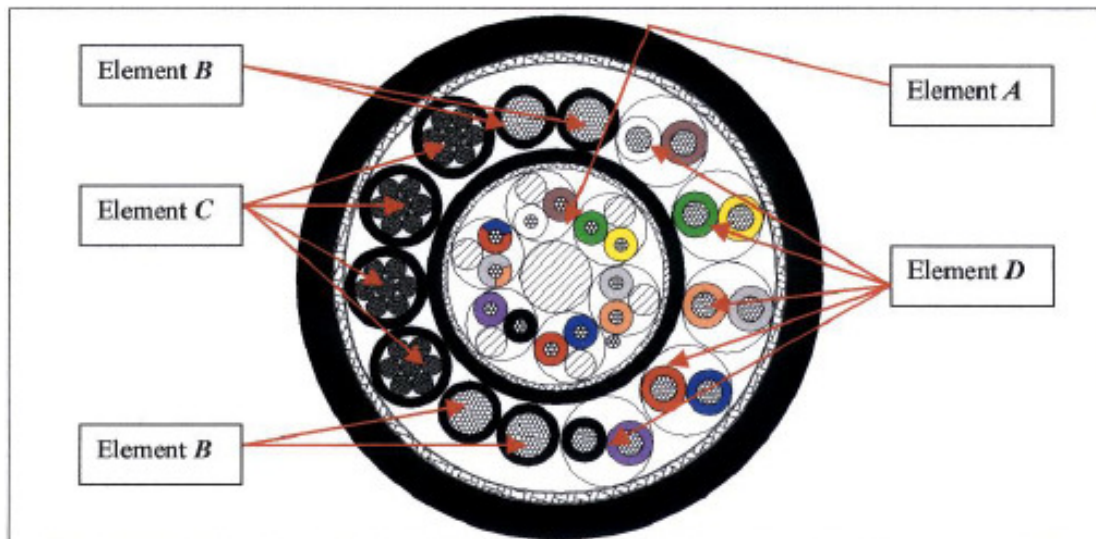
Fleece

Elaborated by: SBU Rainer Mebus	Document: DB3035937EN	Page 1 of 2
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Outer sheath:

PUR, black (like RAL 9005), halogen free, flame retardant acc. IEC 60332.1

Outer diameter: max. 18,5 mm



Mechanical data

Temperature range fixed installation -25 up to +70° C max. core temperature

Minimum bending radius 12 x cable diameter for fixed installation

Flame retardance according IEC 60 332.1 / VDE 0482 Part 265-2-1

Electrical data

	Nominal voltage	Test voltage
2,5qmm	500V	2500V
1,5qmm	500V	2500V
0,5qmm	500V	2500V
Data cable AWG26/7	150V	500V Core/Core
Insulation resistant:	>100 MOhm/km bei 20 Grad	
Core resistant	AWG26/7:	136 Ohm/km at 20 Grad
Impedance	AWG26/7:	100 Ohm (1Mhz to 100Mhz)
Damping	AWG26/7:	1Mhz<3,5dB/100m 10Mhz<9,5dB/100m 100Mhz<33,0dB/100m
Capacity:	AWG26/7:	<57nF/km