



PUR UHD 4K HDTV

**HDTV camera cable**

**1x video + 1x audio + 4x control + DC power**

- HDTV video cable (1.0/4.8DZ, silver-plated)
- double, extremely dense copper braid
- balanced audio cable (Intercom)
- 2x DC power cores
- 4x control cores (Tally, camera control)
- robust PUR overall jacket

This system cable for the KLOTZ HD-PowerLink Plus is designed for camcorder connection in professional applications. A single cable performs all the necessary functions of HD image transmission, sound and power. The special video line (solid silver-plated inner conductor with dual tinned ultra-densely braided copper shields) is suitable for HD SDI transmission (1.5 GBit/s) including mobile operations up to 100 metres. The cable also includes a balanced audio line for analogue or digital signals such as intercom, plus two control line pairs (Tally Light, Camera Control) and two power wires each with 2.5 mm<sup>2</sup> cross-section for DC current. The rugged PUR outer jacket guarantees flexibility even under extreme climate conditions.

**hybrid**

twisting	1x video + 1x audio + 2x DC power core + 4x control
taping	fleece
outer jacket	PUR
overall diameter	11.2 mm
operating temperature	-40°C / +70°C

**video cable**

inner conductor	solid silver-plated copper wire, Ø 1.0 mm
insulation	foam-skin PE, gas injected, Ø 4.8 mm
1. outer conductor	tinned copper braid, 93% coverage
2. outer conductor	tinned copper braid, 93% coverage
taping	polyester foil, Ø 5.8 mm
characteristic impedance	75 Ω
capacitance	56 pF/m
velocity of propagation	80 %
nom. attenuation [dB/100m]	
1 MHz	0.7
5 MHz	1.5
10 MHz	2.2
100 MHz	7.0
200 MHz	10.2
500 MHz	16.8
750 MHz	21.1
1000 MHz	24.8
1500 MHz	31.7

**audio cable**

cond. construction	tinned copper braid, 7x 0.16 mm
cond. cross section	0.14 mm <sup>2</sup> (AWG 26) mm <sup>2</sup>
insulation	polyethylene (PE), white and blue
core arrangement	2 cores twisted to a pair
shielding	AL foil + stranded tinned copper drain wire
outer jacket	PVC, black, Ø 2.5 mm
conductor resistance	< 135 Ω/km
capacitance	68 pF/m

**control core**

conductor	tinned copper braid, 7x 0.16 mm
insulation	polyethylene (PE)
core colors	red, black, grey and green
conductor resistance	< 135 Ω/km

**DC power supply**

conductor	stranded bare copper, 140 x 0.15 mm
cond. cross section	2.5 mm <sup>2</sup>
insulation	PVC, Ø 3.0 mm
core colors	red and black
conductor resistance	7.0 Ω/km
max. operating voltage	50/75 V AC/DC

**further properties**

min. bending radius	4x overall diameter
installed	8x overall diameter
mobile use	acc. to EU directive LVD 2006/95/EG
CE conformity	acc. to EU directive RoHS 2011/65/EU from 08.06.2011
no hazardous substances	acc. to EN 50396 part 10.3 and EN 50363-10-2
hydrolysis resistant	acc. to DIN EN 50289-4-17:2011
UV resistance	

order code	outer jacket	operating temperature	cable color	weight kg/m
CVA1C4P+	PUR	-40°C / +85°C	moss green	0,18

technical specifications are subject to change