



PUR **UHD** **4K**

HDTV camera cable

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

- 1 x HDTV video cable (1.0/4.8DZ, silver-plated)
- double, extremely dense copper braid
- 1 x balanced audio cable (Intercom)
- 2 x DC power cores
- 4 x 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 mm² 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
working 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, 7 x 0.16 mm
cond. cross section	0.14 mm ² (AWG 26) mm ²
insulation	polyethylen (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	127 Ω/km
capacitance	68 pF/m

control core

conductor	tinned copper braid, 7 x 0.16 mm
insulation	polyethylen (PE)
core colors	red, black, grey and green
conductor resistance	127 Ω/km

DC power supply

conductor	stranded bare copper, 140 x 0.15 mm
conductor cross section	2.5 mm ²
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

order code	outer jacket	working temperature	cable color	weight kg/m
CVA1C4P+	PUR	-40°C / +85°C	moss green	0.18

technical specifications are subject to change