



HDTV camera cable - 1x video + 1x audio + 4x control + DC power

- 1 HDTV video cable (V10/48DZ, silver-plated)
- double, extremely dense copper braid
- 1 balanced audio cable (Intercom)
- 2 DC power cores
- 4 control cores (Tally, camera control)
- robust PUR outer jacket

PUR

UHD

4K

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
taping
outer jacket
overall diameter
working temperature

1x video + 1x audio + 2x DC power core + 4x control
fleece
PUR
11.2 mm
-40°C / +70°C

video cable

inner conductor
insulation
1. outer conductor
2. outer conductor
taping
characteristic impedance
capacitance
velocity of propagation
attenuation [dB/100m]
1 MHz
5 MHz
10 MHz
100 MHz
200 MHz
500 MHz
1750 MHz
1000 MHz
1500 MHz

solid silver-plated copper wire, Ø 1.0 mm
Foam-Skin PE, gas injected, Ø 4.8 mm
tinned copper braid, 93% coverage
tinned copper braid, 93% coverage
polyester foil, Ø 5.8 mm
75 Ω
56 pF/m
80 %
0.7
1.5
2.2
7.0
10.2
16.8
21.1
24.8
31.7

audio cable

cond. construction
cond. cross section
insulation
core arrangement
shielding
outer jacket
conductor resistance
capacitance

tinned copper braid, 7 x 0.16 mm
0.14 mm² (AWG 26) mm²
polyethylene (PE), white and blue
2 cores twisted to a pair
AL foil + stranded tinned copper drain wire
PVC, black, Ø 2.5 mm
127 Ω/km
68 pF/m

control core

conductor
color
conductor resistance

tinned copper braid, 7 x 0.16 mm
red, black, grey and green
127 Ω/km

DC power supply

conductor
cond. cross section
insulation
colours
conductor resistance
max. operating voltage

stranded bare copper, 140 x 0.15 mm
2.5 mm²
PVC, Ø 3.0 mm
red and black
7.0 Ω/km
50/75 V AC/DC

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