HDTV



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







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

twisting 1x video + 1x audio + 2x DC power core + 4x control taping fleece outer jacket PUR overall diameter 11.2 mm -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 tinned copper braid, 93% coverage 1. outer conductor 2. outer conductor tinned copper braid, 93% coverage taping polyester foil, Ø 5.8 mm characteristic impedance **75** Ω 56 pF/m 80 % canacitance velocity of propagation attenuation [dB/100m] 1 MHz 0.7 1.5 5 MHz 2.2 10 MHz 7.0 100 MHz

10.2

16.8

21.1 24.8 31.7

audio cable

200 MHz

500 MHz

1750 MHz

1000 MHz 1500 MHz

cond. construction tinned copper braid, $7 \times 0.16 \text{ mm}$ cond. cross section 0.14 mm² (AWG 26) mm² 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, \emptyset 2.5 mm 127 Ω /km

conductor resistance $127~\Omega/k$ capacitance 68~pF/m

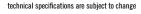
control core

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

DC power supply conductor

cond. cross section insulation colours condctor resistance max. operating voltage stranded bare copper, 140 x 0.15 mm 2.5 mm² PVC, \emptyset 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



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