



hybrid cable - mobile - VP

2 x HD-SDI video + power 1.5 mm²

- special construction for long-term mobile HD-SDI
- stranded bare copper conductors for video elements
- very dense double tinned copper braid
- power cable 3 x 1.5 mm²
- robust PUR overall jacket

PUR

UHD
6G3G
1.5

Sometimes transmitting a video signal just isn't enough. What about providing a power supply for the cameras? Or a signal for the preview monitor? Those questions are exactly why we designed the HV2P15P Composite Video Cable. Two signal conductors and a power line – in a single cable! It's the perfect solution for mobile HDSDI links, e.g. from camera to vision mixer and preview monitor, including power supply. No more tangles! Like our VD083LP Video Cable for short distances, the HV2P15P is highly flexible and ideal for drum storage. Its outer jacket of abrasion- and notch-resistant PUR ensures the cable's interior is well protected. The two ultra-finely stranded conductors are each insulated with physically foamed dielectric medium, while a double copper braided shield repels external interference. The sheathed power line is integrated into the cable and is interference-free. The HV2P15P has a transmission rate of 3 Gbit/s over distances up to 50 m.

hybrid

twisting	2x video + power + fillers
taping	fleece
outer jacket	PUR
overall diameter	19.0 mm

video cable

type	VO.8L/3.7DZ
inner conductor	stranded bare copper, 19 x 0.16 mm
shielding	2x tinned copper braid, >95% coverage
outer jacket	PVC, low-temperature-flexible, Ø 6.1 mm
characteristic impedance	75 Ω
capacity	53 pF/m
velocity of propagation	81 %
conductor resistance	44 Ω/km
shield resistance	7.6 Ω/km
nom. attenuation [dB/100m]	
1 MHz	0.9
5 MHz	2.0
10 MHz	2.8
71.5 MHz	8.4
88.5 MHz	9.4
100 MHz	10.0
135 MHz	11.7
180 MHz	13.3
270 MHz	16.5
360 MHz	19.3
540 MHz	23.7
750 MHz	28.3
1000 MHz	33.2
1500 MHz	40.9
3000 MHz	62.8
return loss	
50 - 300 MHz	>25 dB
300 - 3000 MHz	>20 dB

power cable

conductor	stranded bare copper, 28 x 0.25 mm
cond. cross section	1.5 mm ²
insulation	PVC, brown, blue and yellow-green
no. of cores	3
jacket	PVC, black, Ø 8.3 mm
conductor resistance	13.3 Ω/km
test voltage	2.5 kV/rms x 5 min

further properties

working temperature	-40°C / +85°C
min. bending radius	
installed	4x overall diameter
mobile use	8x overall diameter
CE conformity	acc. to EU directive LVD 2006/95/EG
no hazardous substances	acc. to EU directive RoHS 2011/65/EU from 08.06.2011
REACH conformity	acc. to REACH regulation 1907/2006
hydrolysis resistant	acc. to EN 50396 part 10.3 and EN 50363-10-2
UV resistance	acc. to DIN EN 50289-4-17:2011
heat of combustion	1,61 kWh/m

order code	included cable types	cond. cross section mm ²	outer jacket	outer Ø mm	cable color	weight kg/m
HV2P15P	2x HD-SDI video + power	1.5	PUR	19.0	black	0,37

technical specifications are subject to change