

PUR | UHD 12G | UHD 4K

12G UHD video cable high flex mini 0.42Ls/1.7 - PUR

- stranded conductor from silver-plated, copper cladded steel wires (CCS Ag)
- very dense tinned copper braid
- suitable for short, mobile UHD applications
- robust PUR overall jacket
- special plugs required, series BN7*042LCUD
- suitable crimp insert: BNCZ1RD1358-13 - fits to crimping pliers BNCZ1R

The VDU042LP is a very robust, thin and super flexible UHD video cable.It was specially designed and developed by KLOTZ for the transmission of 12G signals without interference, in order to meet the increased requirements of the SMPTE ST 2082 standard. The special construction - with the small outer diameter of only 2.9 mm - stranded inner conductor from silver-plated, copper cladded steel wires, physically foamed PE dielectric, very tight tinned copper braid shielding with a 95% coverage, robust PUR jacket - is consistently designed for flexibility and robustness not only for mobile outdoor use.Even for temperatures between -40°C and +70°C, because the outer jacket is temperature-resistant, in addition abrasion-resistant, notch-resistant and has a high tear propagation strength. This results in a wide range of applications for shorter transmission distances of up to 20 m for 12G video signals, depending on the end device used and the signal level considerably more, not only in the broadcast segment, e.g. on camera sets, but also in industry and many other applications.To ensure optimum performance, we recommend the use of specially developed connectors from the BNCpro and BNCslim series (BN7*042LCUD). A suitable crimping insert (BNCZ1RD1358-13) with crimping pliers BNCZ1R is available for assembly.

design

inner conductor	stranded tinned copper, 7x 0.14 mm CCS Ag
insulation	gas injected foam, Ø 1,7 mm
outer jacket	PUR
outer diameter	2.9 mm
shielding	tinned copper braid, 95% coverage

mechanics

operating temperature	-40°C / +70°C
min. bending radius	15 mm

electric

characteristic impedance	75 Ω
capacitance	56 pF/m
shortening factor	82 %
signal delay	4,1 nsec/m
DC resistance	
inner conductor	< 453 Ω/km
outer conductor	< 32 Ω/km
nom. attenuation [dB/100m]	
10 MHz	6.0
71.5 MHz	16.7
88.5 MHz	18.9
100 MHz	20.3
135 MHz	24.0
180 MHz	28.0
270 MHz	37.8
360 MHz	40.6
540 MHz	50.6
750 MHz	60.5
1000 MHz	70.8
1500 MHz	88.1
3000 MHz	131.4
6000 MHz	197.5
12000 MHz	313.2
return loss	
30 - 300 MHz	> 27 dB
300 - 1500 MHz	> 25 dB
1500 - 6000 MHz	> 15 dB

order code	cable color	weight kg/m	length m	standard lengths m
VDU042LP	black	0.01	1	50 / 100 / 200 / 300

technical specifications are subject to change

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