



PUR

UHD
12GUHD
4K

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

- stranded conductor from silver-plated, copper clad 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 clad 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, 7 x 0.14 mm CCS Ag |
| insulation | gas injected foam, Ø 1,7 mm |
| shielding | tinned copper braid, 95% coverage |
| outer jacket | PUR |
| overall diameter | 2.9 mm |

mechanics

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

electric

| | |
|----------------------------|------------|
| characteristic impedance | 75 Ω |
| capacity | 56 pF/m |
| velocity of propagation | 82 % |
| 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