



UHD - high-flex video cable

0.75L/3.2 - PUR

- flexible stranded inner conductor
- very dense tinned copper braid
- suitable for mobile HD-SDI use
- robust PUR jacket

PUR

UHD
12GUHD
4K

The VDU073LP is a robust, highly flexible UHD video cable. It was specially designed and developed by KLOTZ for the interference-free transmission of 12G signals in order to meet the increased requirements of the SMPTE ST 2082-1 standard. The construction - with the small outer diameter of 5.0 mm - concentric stranded copper inner conductor, physically foamed PE dielectric, very dense tinned copper braiding with 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 matt outer sheath is temperature-resistant, abrasion-resistant, notch-resistant and has a high tear propagation resistance. This results in a wide range of applications for short to medium transmission distances of up to 36 m for 12G video signals, depending on the end device and signal level used. Ideal for mobile use not only in the broadcast segment, e.g. on camera sets, mobile cabling, but also in industry and many other areas.

design

inner conductor	stranded bare copper, 7x 0.25 mm
insulation	gas injected foam PE, Ø 3.2 mm
shielding	tinned copper braid, >95% coverage
outer jacket	PUR
overall diameter	5.0 mm

mechanics

operating temperature	-40°C / +80°C
min. bending radius	
installation	30 mm
operation	50 mm

electric

characteristic impedance	75 Ω
capacity	55 pF/m
velocity of propagation	80 %
DC resistance	
inner conductor	50 Ω/km
outer conductor	13 Ω/km
nom. attenuation [dB/100m]	
1 MHz	1.0
5 MHz	2.3
10 MHz	3.3
71.5 MHz	8.9
88.5 MHz	10.0
100 MHz	10.6
135 MHz	12.5
180 MHz	14.5
270 MHz	18.0
360 MHz	20.9
540 MHz	25.9
750 MHz	30.9
1000 MHz	36.2
1500 MHz	45.2
3000 MHz	67.5
6000 MHz	106.0
9000 MHz	149.1
12000 MHz	272.0
return loss	
30 - 300 MHz	> 24 dB
300 - 1500 MHz	> 22 dB
1500 - 6000 MHz	> 15 dB

order code	cable color	weight kg/m	standard lengths m
VDU073LP	black	0,03	50 / 100 / 200 / 300 / 500