



high-flex HD-SDI video cable V08L37DZ - 0.8L/3.7 DZ

- flexible stranded inner conductor
- very dense double tinned copper braid
- for 3G-SDI, HD-SDI 1.5 GBit/s + SDI 270 MBit/s
- robust PUR jacket
- suitable for mobile HD-SDI use

PUR UHD 6GSDI

Pro users are always asking us whether we can supply a video cable that's optimized for short to medium distances. It should have a low external diameter as well as being highly flexible, suitable for drum storage, and rugged enough to cope with frequent patching. All these enquiries inspired us to design the VDO83LP – the ideal cable for mobile transmission of digital video signals over distances up to 70 m. The outer PUR jacket is extra-rugged and abrasion- and notch-resistant, providing outstanding protection for what goes on inside. The ultra-finely stranded conductor is enclosed in physically foamed dielectric medium covered with a dual-layer braided copper shield that provides over 98% protection from interference. In line with SMPTE standards, the VDO83LP transmits a 1.5-GB signal over distances of up to 70 m, and a 3-GB signal up to 50 m – or even more in practice, depending on the transmitter and signal frequency! The VDO83LP is made up with Neutrik's UHD 4K BNC connectors. And incidentally, the VDO83LP is the "little brother" of our famous and universally appreciated V12L/48DP for long distances.

construction

inner conductor	stranded bare copper, 19 x 0.16 mm
insulation	gas injected foam PE, Ø 3.7 mm
shielding	2x tinned copper braid, >95% coverage
outer jacket	PUR
overall diameter	6.1 mm

mechanics

working temperature	-40°C / +80°C
min. bending radius	
installation	40 mm
operation	60 mm

electric

characteristic impedance	75 Ω
capacity	54 pF/m
velocity of propagation	81 %
DC resistance	
inner conductor	44 Ω/km
outer conductor	7.6 Ω/km
screening attenuation	> 90 dB
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	
30 - 300 MHz	> 24 dB
300 - 1500 MHz	> 22 dB
1500 - 3000 MHz	> 15 dB

order code	ref. type	color	weight kg/m	standard lengths m
VD083LP	V08L37DZ	black	0.05	50 / 100 / 200 / 300 / 500

technical specifications are subject to change