

**high-flex HD-SDI video cable V12L/48DP - 1.2L/4.8 DZ**

- flexible stranded inner conductor
- very dense double tinned copper braid
- very low attenuation (HD-SDI up to 100 m)
- robust PUR jacket
- suitable for mobile HD-SDI use
- flame-retardant acc. to IEC 60332-1-2 (VDE 0482-331-1)
- halogen-free acc. to IEC 60754-1 (VDE 0482-754-1)

PUR**UHD****6GSDI**

The ideal choice for all applications needing a rugged video cable for outdoor use, the V12L48DP is designed for harsh conditions on the road and is ideal for mobile transmission of HD-SDI signals. Thanks to its ultra-low signal attenuation, it complies with SMPTE standards by offering transmission distances of 375 metres for SDI video signals, 100 metres for a 1.5 HD-SDI GBit/s signal and 70 metres for 3.0 GBit/s – powerful performance that is unique to this cable. The sophisticated design features flexible copper stranded core, physically foamed PE dielectric medium, a shield of two ultra-dense braided copper layers and an extremely rugged PUR jacket, and is specifically aimed at the maximum flexibility and durability for mobile outdoor and stage use. The V12L/48DP can even handle a temperature range of -40°C to +85°C; its outer jacket is resistant to high and low temperatures, abrasion, notching and tear propagation.

construction

inner conductor	stranded bare copper, 7 x 0.40 mm
insulation	gas injected foam PE, Ø 4.8 mm
shielding	2x tinned copper braid, >95% coverage
outer jacket	PUR
overall diameter	7.1 mm

mechanics

working temperature	-40°C / +80°C
min. bending radius	
installation	55 mm
operation	70 mm
flame retardancy	acc. to IEC 60332-1-2
halogen-free	acc. to IEC 60754-1

electric

characteristic impedance	75 Ω ± 3%
capacity	54 pF/m
velocity of propagation	86 %
DC resistance	
inner conductor	21 Ω/km
outer conductor	5 Ω/km
screening attenuation	> 90 dB
attenuation [dB/100m]	
1 MHz	0.4
10 MHz	2.1
100 MHz	6.8
200 MHz	9.6
500 MHz	15.7
1000 MHz	22.5
1500 MHz	28.3
3000 MHz	42.9
return loss	
50 - 300 MHz	> 26 dB
300 - 3000 MHz	> 22 dB

order code	colour	weight kg/m	standard lengths m
VD125LPS	black	0.07	50 / 100 / 200 / 300 / 500

technical specifications are subject to change