



digital video cable V05L20 - 0.5L/2.0 AF

- digital + analog video
- flexible stranded inner conductor
- double shielding (100% foil + 90% braid)
- not suitable for mobile HD-SDI use
- suitable Damar & Hagen BNCmicro cable connector: 1-8626-13900 (D&H cable group: 74)

TPE UHD 6GSDI

A cable for transmitting both digital and analogue video signals. Compact, light and designed for short distances, it is ideal for indoor cabling applications where space is at an absolute premium, such as racks or outdoor broadcasting units. The V05L/20 is ultra-flexible thanks to its supple stranded wire core. The conductor is capable of transmitting an SDI video signal over 155 metres, a 1.5-Gb/s (HDTV) signal over 40 metres and a 3-Gb/s signal (HD-SDI) over 25 metres. The flexible copper wire of the inner conductor is tinned for rapid soldering. The conductor is enclosed in a physically foamed PE dielectric medium. Effective protection against electromagnetic interference is offered by double shielding comprising an AL foil shield enclosing the conductor and insulation, over which an ultra-densely woven copper shield provides over 90 per cent screening. The outer jacket is of highly temperature-resistant thermo-plastic elastomer (TPE).

construction

inner conductor	stranded tinned copper, 7 x 0.15 mm
insulation	Foam-Skin PE, gas injected, Ø 1,9 mm
shielding	AL-PET foil + tinned copper braid (>90% coverage)
outer jacket	TPE-E
overall diameter	2.9 mm

mechanics

working temperature	-40°C / +85°C
min. bending radius	30 mm

electric

characteristic impedance	75 Ω ± 5%
capacity	58 pF/m
velocity of propagation	82 %
DC resistance	
inner conductor	145 Ω/km
outer conductor	23 Ω/km
attenuation [dB/100m]	
1 MHz	1.6
5 MHz	4.1
10 MHz	5.7
100 MHz	16.5
135 MHz	19.1
200 MHz	23.5
270 MHz	27.6
500 MHz	38.7
750 MHz	47.5
1000 MHz	58.3
1500 MHz	71.2
3000 MHz	108.5
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
VDO42LT	V05L20	green	0.01	50 / 100 / 200 / 300

technical specifications are subject to change