



TPE

UHD

12GSDI

digital video cable

0.5L/2.0 AF - TPE

- digital + analog video
- double shielding (100% foil + 90% braid)
- very compact cable, Ø 2.9 mm
- suitable for patch cable
- flexible stranded inner conductor
- suitable BNCmicro HD-BNC™ connector BN7Q042CUD
- suitable DIN 1.0/2.3 connector BN7S042CUD

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 thermoplastic 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
nom. 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	37.4
750 MHz	46.0
1000 MHz	53.6
1500 MHz	67.1
3000 MHz	100.6
6000 MHz	158.0
12000 MHz	265.9
return loss	
30 - 300 MHz	> 24 dB
300 - 1500 MHz	> 22 dB
1500 - 6000 MHz	> 15 dB

order code	ref. type	cable color	weight kg/m	standard lengths m
VD042LT	V05L20	green	0.01	50 / 100 / 200 / 300

technical specifications are subject to change