

Cableados y Conexiones S.L.

CABLE VIDEO 0.8/3.7 VERDE HD (VK6) Ref. 0.83.7-VE

BROADCASTING VIDEO CABLE
DIGITAL 6 Gb/s UHD TV - 3 Gb/s HD-SDI
CEI 20-11 CEI 20-22/II CEI 20-35 I/II IEC 60332 I/II/III

Class CPR **E_{ca}**

CATEGORY

A+
EN 50117

CU PEG LTA CS PLSF
ø 0,80 mm ø 3,65 mm ø 3,75 mm ø 4,15 mm ø 5,90 mm



MECHANICAL DATA

A	INNER CONDUCT.	PLAIN COPPER	ø 0,80 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 3,65 ± 0,10 mm
C	SHIELD	ALUMINIUM + POLYESTER + ALUMINIUM TAPE - COVERAGE	h. 15 mm 100%
D	BRAID	TINNED COPPER - COVERAGE	144 x 0,10 mm 85%
E	SHEATH	FLAME RETARDANT POLYVINYL-CHLORIDE	ø 5,90 ± 0,10 mm
	- COLOUR	BLUE - RAL 5010	
	- PRINTING	## METER ## SLS 37885 HD PRO CABLE 75 OHM AF CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca	

MINIMUM BENDING RADIUS (mm)

- SINGLE	ø EXTERNAL X 5
- REPEATED	ø EXTERNAL X 10
TEMPERATURE RANGE	-25 °C / +80 °C

CABLE WEIGHT (Kg/Km)

- COPPER	15,5
- PLASTIC	27,1
- TOTAL	44,0

IMPEDANCE 75 ± 3 Ohm

CAPACITANCE 53 pF/m

VELOCITY RATIO 84%

RESISTANCE

- INNER CONDUCT.	35,0 Ohm/Km
- BRAID	12,0 Ohm/km

TENSION

- SHEATH SPARK TESTING	4,0 kV
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ATTENUATIONS dB/100 m.

5 MHz	1,6	135 MHz	8,4	750 MHz	20,9	2500 MHz	42,0
71,5 MHz	6,2	180 MHz	10,1	1000 MHz	25,4	3000 MHz	46,7
88,5 MHz	6,8	360 MHz	14,4	1500 MHz	31,1	6000 MHz	75,0

MAXIMUM TRANSMISSION DISTANCE CALCULATED - meters

SMPTE ST 259				SMPTE ST 292	SMPTE ST 424
143 Mb/s	177 Mb/s	270 Mb/s	360 Mb/s	1,5 Gb/s	3,0 Gb/s
Composite NTSC	Composite PAL	Comp. 4:3 SD-SDI	Widescreen 16:9 SD-SDI	HD-SDI 1080i 1,5G-SDI	HD-SDI 1080p 3G-SDI
484	441	357	297	96	64

SMPTE ST		
425-4	2081-1	2082-1
3,0 Gb/s	6,0 Gb/s	12,0 Gb/s
UHD TV1		
UHD TV2		
129	86	53

STRUCTURAL RETURN LOSS dB

30 ÷ 470 MHz	>29	3000 ÷ 4500 MHz	>20
470 ÷ 862 MHz	>27	4500 ÷ 6000 MHz	>15
862 ÷ 2150 MHz	>24	6000 ÷ 12000 MHz	-
2150 ÷ 3000 MHz	>21		

SCREENING EFFECTIVENESS dB

EN 50117 STANDARD		
5 ÷ 30 MHz	<5	mOhm/m
30 ÷ 1000 MHz	>95	dB
1000 ÷ 2000 MHz	>90	dB
2000 ÷ 3000 MHz	>80	dB

The producer reserves himself to make modification on the item without any notice.