

Cableados y Conexiones S.L.

CABLE VIDEO 0.8/3.7 NEGRO UHD FRNC (LSZH) VK6 4K 12G SILVER
Ref. 0.83.712G-NG

4K-UHD 12G-SDI

DIGITAL 12 Gb/s 4K UHD TV DIGITAL 6 Gb/s UHDTV - 3 Gb/s HD-SDI CONFORME IEC 60754-1 IEC 60754-2 IEC 61034-2			Class CPR E_{ca}	CATEGORY A+ EN 50117
CA	PEG	LAS	CS	LSZH
ø 0,80 mm	ø 3,65 mm	ø 3,75 mm	ø 4,35 mm	ø 6,00 mm



MECHANICAL DATA

A	INNER CONDUCT.	SILVERED COPPER	ø 0,80 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 3,65 ± 0,10 mm
C	SHIELD	ALL + PET + ALL ADHESIVE TAPE	h. 15 mm
	- COVERAGE		100%
D	BRAID	TINNED COPPER	128 x 0,15 mm
	- COVERAGE		96%
E	SHEATH	FLAME RETARDANT NON-CORROSIVE FREE OF HALOGENS UV RESISTANT THERMOPLASTIC	ø 6,00 ± 0,10 mm
-	COLOUR	JET BLACK RAL 9005	
-	PRINTING	## METRICA ## DIGITAL 12 Gb/s 4K UHD TV LSZH CE 61 SETT/ANNO EN 50575:2014 + A1:2016 Eca	

MINIMUM BENDING RADIUS (mm)

- SINGLE	ø EXTERNAL X 5
- REPEATED	ø EXTERNAL X 10
TEMPERATURE RANGE	-40 °C / +80 °C

CABLE WEIGHT (Kg/Km)

- COPPER	26,2
- PLASTIC	25,0
- TOTAL	53,0

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	75 ± 3 Ohm	RESISTANCE	
		- INNER CONDUCT.	35,0 Ohm/Km
CAPACITANCE	53 pF/m	- BRAID	9,0 Ohm/km
VELOCITY RATIO	84%	TENSION	
		- SHEATH	4,0 kV
		SPARK TESTING	

ATTENUATIONS dB/100 m.

5 MHz	1,6	135 MHz	8,3	750 MHz	20,4	3000 MHz	45,7
71,5 MHz	6,1	180 MHz	9,9	1000 MHz	24,8	6000 MHz	68,2
88,5 MHz	6,7	360 MHz	14,0	1500 MHz	30,4	12000 MHz	101,1

MAXIMUM TRANSMISSION DISTANCE CALCULATED - meters

SMPTE ST 259				SMPTE ST 292	SMPTE ST 424	SMPTE ST		
143 Mb/s	177 Mb/s	270 Mb/s	360 Mb/s	1,5 Gb/s	3,0 Gb/s	425-4	2081-1	2082-1
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	3,0 Gb/s	6,0 Gb/s	12,0 Gb/s
492	448	361	303	98	66	UHDTV1 UHDTV2		
						132	88	59

STRUCTURAL RETURN LOSS dB

30 ÷ 470 MHz	>29	3000 ÷ 4500 MHz	>20
470 ÷ 862 MHz	>27	4500 ÷ 6000 MHz	>19
862 ÷ 2150 MHz	>24	6000 ÷ 8000 MHz	>18
2150 ÷ 3000 MHz	>21	8000 ÷ 12000 MHz	>16

SCREENING EFFECTIVENESS dB

EN 50117 STANDARD		
5 ÷ 30 MHz	<5	mOhm/m
30 ÷ 1000 MHz	>100	dB
1000 ÷ 2000 MHz	>95	dB
2000 ÷ 3000 MHz	>85	dB

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