

Cableados y Conexiones S.L.

BROADCASTING VIDEO CABLE COAXIAL RG6 VERDE 75 Ohmios LSZH DIGITAL 6 Gb/s UHDTV - 3 Gb/s HD-SDI.

Ref. RG6VERDE



SAT 46962 ZH

BROADCASTING VIDEO CABLE

DIGITAL 6 Gb/s UHDTV - 3 Gb/s HD-SDI

COMPLIANCE IEC 60754-1 IEC 60754-2 IEC 61034-2

Class CPR **E_{ca}**

CATEGORY

A+
EN 50117

CU	PEG	LTA	CS	LSZH
ø 1,00 mm	ø 4,60 mm	ø 4,70 mm	ø 5,20 mm	ø 6,95 mm



MECHANICAL DATA

A	INNER CONDUCT.	PLAIN COPPER	ø 1,00 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 4,60 ± 0,10 mm
C	SHIELD	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	h. 18 mm
		- COVERAGE	100%
D	BRAID	TINNED COPPER	192 x 0,12 mm
		- COVERAGE	96%
E	SHEATH	FLAME RETARDANT NON-CORROSIVE	ø 6,95 ± 0,10 mm
		FREE OF HALOGENS UV RESISTANT THERMOPLASTIC	

- COLOUR	JET BLACK RAL 9005 RED LILAC RAL 4001	PASTEL TURQUOISE RAL 6034 TURQUOISE BLUE RAL 5018
- PRINTING	## METER ##	SAT 46962 ZH HD PRO CABLE 75 OHM LSZH 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	-40 °C / +80 °C

CABLE WEIGHT (Kg/Km)

- COPPER	28,1
- PLASTIC	32,8
- TOTAL	62,6

Cableados y Conexiones S.L.

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 75 ± 3 Ohm

CAPACITANCE 53 pF/m

VELOCITY RATIO 84%

RESISTANCE

- INNER CONDUCT. 22,5 Ohm/Km
- BRAID 8,3 Ohm/Km

TENSION

- SHEATH SPARK TESTING 4,5 kV

ATTENUATIONS dB/100 m.

5 MHz	1,5	135 MHz	6,9	750 MHz	17,2	2500 MHz	34,1
71,5 MHz	5,1	180 MHz	8,3	1000 MHz	20,5	3000 MHz	38,2
88,5 MHz	5,6	360 MHz	11,7	1500 MHz	25,6	6000 MHz	57,8

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
588	536	435	361	116	78

SMPTE ST		
425-4	2081-1	2082-1
3,0 Gb/s	6,0 Gb/s	12,0 Gb/s
UHDTV1		
UHDTV2		
156	105	69

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.