



FABBRICA CAVI - ANTENNE - ACCESSORI TV

# SAG 28810 ZH

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<sub>ca</sub>**

CATEGORY

**A+**  
EN 50117

CA ø 0,60 mm PEG ø 2,80 mm LAS ø 2,90 mm CS ø 3,30 mm LSZH ø 4,50 mm



## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCT.</b>	SILVERED COPPER	ø 0,60 mm
<b>B</b>	<b>DIELECTRIC</b>	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 2,80 ± 0,10 mm
<b>C</b>	<b>SHIELD</b>	ALL + PET + ALL ADHESIVE TAPE - COVERAGE	h. 12 mm 100%
<b>D</b>	<b>BRAID</b>	TINNED COPPER - COVERAGE	128 x 0,10 mm 91%
<b>E</b>	<b>SHEATH</b>	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	ø 4,50 ± 0,10 mm
-	<b>COLOUR</b>	<b>JET BLACK RAL 9005</b>	
-	<b>PRINTING</b>	## METRICA ## SIVA SAG 28810 ZH DIGITAL 12 Gb/s 4K UHD TV LSZH MADE IN ITALY CE 61 SETT/ANNO EN 50575:2014 + A1:2016 Eca	

## MINIMUM BENDING RADIUS ( mm )

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

## CABLE WEIGHT ( Kg/Km )

- COPPER	12,5
- PLASTIC	14,2
- TOTAL	27,9

## ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE</b>	75 ± 3 Ohm	<b>RESISTANCE</b>	
<b>CAPACITANCE</b>	56 pF/m	- INNER CONDUCT.	62,0 Ohm/Km
<b>VELOCITY RATIO</b>	80%	- BRAID	12,8 Ohm/Km
		<b>TENSION</b>	
		- SHEATH	3,0 kV
		<b>SPARK TESTING</b>	

## ATTENUATIONS dB/100 m.

5 MHz	2,5	135 MHz	11,7	750 MHz	28,0	3000 MHz	59,6
71,5 MHz	8,9	180 MHz	13,9	1000 MHz	34,0	6000 MHz	87,0
88,5 MHz	9,7	360 MHz	19,2	1500 MHz	41,2	12000 MHz	128,9

## 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
337	309	256	216	71	49	UHDTV1 UHDTV2		
						97	67	46

## STRUCTURAL RETURN LOSS dB

30 ÷ 470 MHz	>29	3000 ÷ 4500 MHz	>21
470 ÷ 862 MHz	>25	4500 ÷ 6000 MHz	>20
862 ÷ 2150 MHz	>24	6000 ÷ 8000 MHz	>19
2150 ÷ 3000 MHz	>23	8000-12000 MHz	>18

## 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.