



FABBRICA CAVI - ANTENNE - ACCESSORI TV

# SAG 46962 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      PEG      LAS      CS      LSZH  
ø 1,00 mm    ø 4,60 mm    ø 4,70 mm    ø 5,20 mm    ø 6,95 mm



## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCT.</b>	SILVERED COPPER	.....	ø 1,00 mm
<b>B</b>	<b>DIELECTRIC</b>	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	.....	ø 4,60 ± 0,10 mm
<b>C</b>	<b>SHIELD</b>	ALL + PET + ALL ADHESIVE TAPE	.....	h. 18 mm
		- COVERAGE	.....	100%
<b>D</b>	<b>BRAID</b>	TINNED COPPER	.....	192 x 0,12 mm
		- COVERAGE	.....	96%
<b>E</b>	<b>SHEATH</b>	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	.....	ø 6,95 ± 0,10 mm
-	<b>COLOUR</b>	<b>JET BLACK RAL 9005</b>		
-	<b>PRINTING</b>	## METER ## SIVA SAG 46962 ZH DIGITAL 12 Gb/s 4K UHD TV LSZH MADE IN ITALY CE 58 WEEK/YEAR 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	28,1
- PLASTIC	32,8
- TOTAL	63,1

## ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE</b>	75 ± 3 Ohm	<b>RESISTANCE</b>	
<b>CAPACITANCE</b>	53 pF/m	- INNER CONDUCT.	22,5 Ohm/Km
<b>VELOCITY RATIO</b>	84%	- BRAID	8,3 Ohm/Km
		<b>TENSION</b>	
		- SHEATH	4,5 kV
		<b>SPARK TESTING</b>	

### ATTENUATIONS dB/100 m.

5 MHz	1,4	135 MHz	6,6	750 MHz	16,1	3000 MHz	36,2
71,5 MHz	4,9	180 MHz	7,8	1000 MHz	19,2	6000 MHz	53,2
88,5 MHz	5,3	360 MHz	10,9	1500 MHz	24,2	12000 MHz	77,5

### 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
612	566	455	385	124	83	UHDTV1 UHDTV2		
						165	110	75

### STRUCTURAL RETURN LOSS dB

30 ÷ 470 MHz	>24	3000 ÷ 4500 MHz	>20
470 ÷ 862 MHz	>22	4500 ÷ 6000 MHz	>18
862 ÷ 2150 MHz	>22	6000 ÷ 12000 MHz	>14
2150 ÷ 3000 MHz	>21		

### 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.