



FABBRICA CAVI - ANTENNE - ACCESSORI TV

# SLS 51900

BROADCASTING VIDEO CABLE

DIGITAL 6 Gb/s UHDTV - 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<sub>ca</sub>**

CATEGORY

**A+**  
**EN 50117**

**CU**      **PEG**      **LTA**      **CS**      **PLSF**  
 ø 1,15 mm    ø 5,10 mm    ø 5,20 mm    ø 5,60 mm    ø 6,80 mm



**A**    **B**    **C**    **D**    **E**

## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCT.</b>	PLAIN COPPER	.....	ø 1,15 mm
<b>B</b>	<b>DIELECTRIC</b>	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	.....	ø 5,10 ± 0,10 mm
<b>C</b>	<b>SHIELD</b>	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	.....	h. 18 mm
		- COVERAGE	.....	100%
<b>D</b>	<b>BRAID</b>	TINNED COPPER	.....	216 x 0,10 mm
		- COVERAGE	.....	90%
<b>E</b>	<b>SHEATH</b>	FLAME RETARDANT POLYVINYL-CHLORIDE	.....	ø 6,80 ± 0,10 mm
	- COLOUR	<b>VIOLET - RAL 4001</b>		
	- PRINTING	<b>## METER ## SIVA SLS 51900 HD PRO CABLE 75 OHM AF</b>		
		<b>MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 E<sub>ca</sub></b>		

### MINIMUM BENDING RADIUS ( mm )

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

### CABLE WEIGHT ( Kg/Km )

- COPPER	26,0
- PLASTIC	27,7
- TOTAL	55,4

## ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE</b>	75 ± 3 Ohm	<b>RESISTANCE</b>	
		- INNER CONDUCT.	16,6 Ohm/Km
<b>CAPACITANCE</b>	53 pF/m	- BRAID	9,5 Ohm/Km
<b>VELOCITY RATIO</b>	84%	<b>TENSION</b>	
		- SHEATH	3,0 kV
		- SPARK TESTING	

### ATTENUATIONS dB/100 m.

5 MHz	1,0	135 MHz	6,0	750 MHz	15,0	2500 MHz	29,4
71,5 MHz	4,3	180 MHz	7,2	1000 MHz	17,5	3000 MHz	33,1
88,5 MHz	4,8	360 MHz	10,3	1500 MHz	22,2	6000 MHz	51,3

### 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
						UHDTV1 UHDTV2		
698	625	500	417	133	90	180	121	78

### 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.