



FABBRICA CAVI - ANTENNE - ACCESSORI TV

# SLS 28810

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 0,60 mm      ø 2,80 mm      ø 2,90 mm      ø 3,30 mm      ø 4,50 mm



|| A || B || C || D || E ||

## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCT.</b>	PLAIN 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>	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	.....	h. 12 mm
		- COVERAGE	.....	100%
<b>D</b>	<b>BRAID</b>	TINNED COPPER	.....	128 x 0,10 mm
		- COVERAGE	.....	91%
<b>E</b>	<b>SHEATH</b>	FLAME RETARDANT POLYVINYL-CHLORIDE	.....	ø 4,50 ± 0,10 mm
	- COLOUR	<b>GREEN - RAL 6024</b>		
	- PRINTING	<b>## METER ## SIVA SLS 28810 HD PRO CABLE 75 OHM AF</b>		
		<b>MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca</b>		

### MINIMUM BENDING RADIUS ( mm )

- SINGLE                      ø EXTERNAL X 5  
- REPEATED                      ø EXTERNAL X 10

### TEMPERATURE RANGE

-25 °C / +80 °C

### CABLE WEIGHT ( Kg/Km )

- COPPER                      12,5  
- PLASTIC                      14,9  
- TOTAL                      28,4

## ELECTRICAL PROPERTIES at 20°C

**IMPEDANCE**                      75 ± 3 Ohm

**CAPACITANCE**                      56 pF/m

**VELOCITY RATIO**                      80%

### RESISTANCE

- **INNER CONDUCT.**                      62,0 Ohm/Km  
- **BRAID**                      12,8 Ohm/Km

### TENSION

- **SHEATH SPARK TESTING**                      3,0 kV

### ATTENUATIONS dB/100 m.

5 MHz	2,5	135 MHz	11,8	750 MHz	28,5	2500 MHz	55,3
71,5 MHz	9,0	180 MHz	14,1	1000 MHz	34,6	3000 MHz	60,6
88,5 MHz	9,8	360 MHz	19,6	1500 MHz	41,9	6000 MHz	91,0

### 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		
333	306	254	213	70	48	95	66	44

### STRUCTURAL RETURN LOSS dB

30 ÷ 470 MHz	>28	3000 ÷ 4500 MHz	>14
470 ÷ 862 MHz	>24	4500 ÷ 6000 MHz	>13
862 ÷ 2150 MHz	>19	6000 ÷ 12000 MHz	-
2150 ÷ 3000 MHz	>17		

### SCREENING EFFECTIVENESS dB EN 50117 STANDARD

5 ÷ 30 MHz	<5	mOhm/m
30 ÷ 1000 MHz	>90	dB
1000 ÷ 2000 MHz	>85	dB
2000 ÷ 3000 MHz	>75	dB

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