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_{ca}

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

A	**INNER CONDUCT.**	PLAIN COPPER	**ø 0,60 mm**
B	**DIELECTRIC**	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	**ø 2,80 ± 0,10 mm**
C	**SHIELD**	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	**h. 12 mm**
	- COVERAGE	.....	**100%**
D	**BRAID**	TINNED COPPER	**128 x 0,10 mm**
	- COVERAGE	.....	**91%**
E	**SHEATH**	FLAME RETARDANT POLYVINYL-CHLORIDE	**ø 4,50 ± 0,10 mm**
	- COLOUR	**GREEN - RAL 6024**	
	- PRINTING	**## METER ## SIVA SLS 28810 HD PRO CABLE 75 OHM AF**	
		MADE IN ITALY 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 -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
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
333	306	254	213	70	48

SMPTE ST		
425-4	2081-1	2082-1
3,0 Gb/s	**6,0 Gb/s**	**12,0 Gb/s**
UHDTV1 UHDTV2		
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	>85	dB
1000 ÷ 2000	MHz	>75	dB
2000 ÷ 3000	MHz	>65	dB

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

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