



FABBRICA CAVI - ANTENNE - ACCESSORI TV

SAG 28810

DIGITAL 12 Gb/s 4K UHD TV

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

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



MECHANICAL DATA

A	INNER CONDUCT.	SILVERED COPPER	.....	ø 0,60 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	.....	ø 2,80 ± 0,10 mm
C	SHIELD	ALL + PET + ALL ADHESIVE 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	BLACK - RAL 9005		
	- PRINTING	## METRICA ## SIVA SAG 28810 DIGITAL 12 Gb/s 4K UHD TV		
		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

TEMPERATURE RANGE -25 °C / +80 °C

CABLE WEIGHT (Kg/Km)

- COPPER 12,5
 - PLASTIC 14,9
 - TOTAL 28,6

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 3,0 kV
 - SPARK TESTING

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
						UHDTV1		
						UHDTV2		
337	309	256	216	71	49	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.