



FABBRICA CAVI - ANTENNE - ACCESSORI TV

SAG 37955

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 0,80 mm ø 3,65 mm ø 3,75 mm ø 4,35 mm ø 6,00 mm



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

MECHANICAL DATA

A	INNER CONDUCT.	SILVERED COPPER	ø 0,80 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 3,65 ± 0,10 mm
C	SHIELD	ALL + PET + ALL ADHESIVE TAPE	h. 15 mm
	- COVERAGE	100%
D	BRAID	TINNED COPPER	128 x 0,15 mm
	- COVERAGE	96%
E	SHEATH	FLAME RETARDANT POLYVINYL-CHLORIDE	ø 6,00 ± 0,10 mm
	- COLOUR	BLACK - RAL 9005	
	- PRINTING	## METRICA ## SIVA SAG 37955 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 26,2
 - PLASTIC 26,4
 - TOTAL 54,4

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 75 ± 3 Ohm

CAPACITANCE 53 pF/m

VELOCITY RATIO 84%

RESISTANCE

- INNER CONDUCT. 35,0 Ohm/Km
 - BRAID 9,0 Ohm/km

TENSION

- SHEATH 4,0 kV
 - SPARK TESTING

ATTENUATIONS dB/100 m.

5 MHz 1,6	135 MHz 8,3	750 MHz 20,4	3000 MHz 45,7
71,5 MHz 6,1	180 MHz 9,9	1000 MHz 24,8	6000 MHz 68,2
88,5 MHz 6,7	360 MHz 14,0	1500 MHz 30,4	12000 MHz 101,1

MAXIMUM TRANSMISSION DISTANCE CALCULATED - meters

SMPTE ST 259				SMPTE ST 292	SMPTE ST 424
143 Mb/s Composite NTSC	177 Mb/s Composite PAL	270 Mb/s Comp. 4:3 SD-SDI	360 Mb/s Widescreen 16:9 SD-SDI	1,5 Gb/s HD-SDI 1080i 1,5G-SDI	3,0 Gb/s HD-SDI 1080p 3G-SDI
492	448	361	303	98	66

SMPTE ST		
425-4 3,0 Gb/s	2081-1 6,0 Gb/s	2082-1 12,0 Gb/s
UHDTV1		
UHDTV2		
132	88	59

STRUCTURAL RETURN LOSS dB

30 ÷ 470 MHz >29	3000 ÷ 4500 MHz >20
470 ÷ 862 MHz >27	4500 ÷ 6000 MHz >19
862 ÷ 2150 MHz >24	6000 ÷ 8000 MHz >18
2150 ÷ 3000 MHz >21	8000 ÷ 12000 MHz >16

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.