



FABBRICA CAVI - ANTENNE - ACCESSORI TV

SAT 28810 ZH

BROADCASTING VIDEO CABLE

DIGITAL 6 Gb/s UHDTV - 3 Gb/s HD-SDI

COMPLIANCE IEC 60754-1 IEC 60754-2 IEC 61034-2

Class CPR **E_{ca}**

CATEGORY

A
EN 50117

CU PEG LTA CS LSZH
 ø 0,60 mm ø 2,80 mm ø 2,90 mm ø 3,30 mm ø 4,50 mm



MECHANICAL DATA

	A	B	C	D	E
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 NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS				ø 4,50 ± 0,10 mm

- COLOUR	YELLOW GREEN RAL 6018	JET BLACK RAL 9005
	RED LILAC RAL 4001	PASTEL TURQUOISE RAL 6034
	CREAM RAL 1001	

- PRINTING ## METER ## SIVA SAT 28810 ZH HD PRO CABLE 75 OHM LSZH
 MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 E_{ca}

MINIMUM BENDING RADIUS (mm)		CABLE WEIGHT (Kg/Km)	
- SINGLE	ø EXTERNAL X 5	- COPPER	12,5
- REPEATED	ø EXTERNAL X 10	- PLASTIC	14,2
TEMPERATURE RANGE	-40 °C / +80 °C	- TOTAL	27,7

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	75 ± 3 Ohm	RESISTANCE	
CAPACITANCE	56 pF/m	- INNER CONDUCT.	62,0 Ohm/Km
VELOCITY RATIO	80%	- BRAID	12,8 Ohm/Km
		TENSION	
		- SHEATH	3,0 kV
		- SPARK TESTING	

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
333	306	254	213	70	48	UHDTV1		
						UHDTV2		
						95	66	44

STRUCTURAL RETURN LOSS dB

SCREENING EFFECTIVENESS dB EN 50117 STANDARD

30 ÷ 470 MHz	>28	3000 ÷ 4500 MHz	>14	5 ÷ 30 MHz	<5 mOhm/m
470 ÷ 862 MHz	>24	4500 ÷ 6000 MHz	>13	30 ÷ 1000 MHz	>90 dB
862 ÷ 2150 MHz	>19	6000 ÷ 12000 MHz	-	1000 ÷ 2000 MHz	>85 dB
2150 ÷ 3000 MHz	>17			2000 ÷ 3000 MHz	>75 dB

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