



FABBRICA CAVI - ANTENNE - ACCESSORI TV

SAT 37955 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 0,80 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.	PLAIN COPPER	.....	ø 0,80 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	.....	ø 3,65 ± 0,10 mm
C	SHIELD	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	.....	h. 15 mm
		- COVERAGE	.....	100%
D	BRAID	TINNED COPPER	.....	128 x 0,15 mm
		- COVERAGE	.....	96%
E	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	.....	ø 6,00 ± 0,10 mm
-	COLOUR	JET BLACK RAL 9005		TURQUOISE BLUE RAL 5018
-	PRINTING	## METER ## SIVA SAT 37955 ZH HD PRO CABLE 75 OHM LSZH		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	-40 °C / +80 °C

CABLE WEIGHT (Kg/Km)

- COPPER	26,2
- PLASTIC	25,0
- TOTAL	52,6

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	75 ± 3 Ohm	RESISTANCE	
CAPACITANCE	53 pF/m	- INNER CONDUCT.	35,0 Ohm/Km
VELOCITY RATIO	84%	- BRAID	9,0 Ohm/km
		TENSION	
		- SHEATH	4,0 kV
		SPARK TESTING	

ATTENUATIONS dB/100 m.

5 MHz	1,6	135 MHz	8,4	750 MHz	20,9	2500 MHz	42,0
71,5 MHz	6,2	180 MHz	10,1	1000 MHz	25,4	3000 MHz	46,7
88,5 MHz	6,8	360 MHz	14,4	1500 MHz	31,1	6000 MHz	75,0

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
484	441	357	297	96	64	UHDTV1 UHDTV2		
						129	86	53

STRUCTURAL RETURN LOSS dB

30 ÷ 470 MHz	>29	3000 ÷ 4500 MHz	>20
470 ÷ 862 MHz	>27	4500 ÷ 6000 MHz	>15
862 ÷ 2150 MHz	>24	6000 ÷ 12000 MHz	-
2150 ÷ 3000 MHz	>21		

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.