



FABBRICA CAVI - ANTENNE - ACCESSORI TV

SAT 46962 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 1,00 mm ø 4,60 mm ø 4,70 mm ø 5,20 mm ø 6,95 mm



MECHANICAL DATA

A	INNER CONDUCT.	PLAIN COPPER	.....	ø 1,00 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	.....	ø 4,60 ± 0,10 mm
C	SHIELD	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	.....	h. 18 mm
		- COVERAGE	.....	100%
D	BRAID	TINNED COPPER	.....	192 x 0,12 mm
		- COVERAGE	.....	96%
E	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	.....	ø 6,95 ± 0,10 mm

- COLOUR	JET BLACK RAL 9005	PASTEL TURQUOISE RAL 6034
	RED LILAC RAL 4001	TURQUOISE BLUE RAL 5018
- PRINTING	## METER ##	SIVA SAT 46962 ZH HD PRO CABLE 75 OHM LSZH
	MADE IN ITALY CE 56	WEEK/YEAR EN 50575:2014 + A1:2016 Eca

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

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	75 ± 3 Ohm	RESISTANCE	
CAPACITANCE	53 pF/m	- INNER CONDUCT.	22,5 Ohm/Km
VELOCITY RATIO	84%	- BRAID	8,3 Ohm/Km
		TENSION	
		- SHEATH	4,5 kV
		SPARK TESTING	

ATTENUATIONS dB/100 m.

5 MHz	1,5	135 MHz	6,9	750 MHz	17,2	2500 MHz	34,1
71,5 MHz	5,1	180 MHz	8,3	1000 MHz	20,5	3000 MHz	38,2
88,5 MHz	5,6	360 MHz	11,7	1500 MHz	25,6	6000 MHz	57,8

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
588	536	435	361	116	78	UHDTV1		
						UHDTV2		
						156	105	69

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.