



FABBRICA CAVI - ANTENNE - ACCESSORI TV

# ZHD 206

VIDEO SECURITY CABLE  
INDOOR & OUTDOOR INSTALLATIONS

Class CPR **E<sub>ca</sub>**

CATEGORY

# A

**EN 50117**

MAXIMUM VIDEO

SIGNAL TRANSMISSION :

PAL	400 m.
AHD HD	250 m.
HD - CVI	300 m.
HD - TVI	200 m.
HD - SDI	70 m.

CW	PEE	LTA	CS	LSZH
ø 0,41 mm	ø 1,95 mm	ø 2,05 mm	ø 2,45 mm	ø 3,60 mm



## MECHANICAL DATA

	A	B	C	D	E
<b>A</b> INNER CONDUCTOR	COPPERWELD				ø 0,41 mm
<b>B</b> DIELECTRIC	FOAM POLYETHYLENE				ø 1,95 ± 0,10 mm
<b>C</b> SHIELD	ALUMINIUM + POLYESTER + ALUMINIUM TAPE				h. 8 mm
	- COVERAGE				100%
<b>D</b> BRAID	TINNED COPPER				48 x 0,10 mm
	- COVERAGE				62%
<b>E</b> SHEATH	FLAME RETARDANT NON-CORROSIVE				ø 3,60 ± 0,10 mm
	THERMOPLASTIC FREE OF HALOGENS				
	- COLOUR	<b>BLUE - RAL 5010</b>			
- PRINTING	<b>## METER ## SIVA ZHD 206 HD COAXIAL CABLE 75 OHM LSZH</b>				
	<b>MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca</b>				

MINIMUM BENDING RADIUS ( mm )		CABLE WEIGHT ( Kg/Km )	
- SINGLE	ø EXTERNAL X 5	- COPPER	4,7
- REPEATED	ø EXTERNAL X 10	- PLASTIC	10,2
TEMPERATURE RANGE	-40 °C / +80 °C	- TOTAL	15,7

## ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	75 ± 5 Ohm	RESISTANCE	
CAPACITANCE	56 pF/m	- INNER CONDUCT.	320,0 Ohm/Km
VELOCITY RATIO	80%	- BRAID	41,0 Ohm/Km
		TENSION	
		- SHEATH	3,0 kV
		- SPARK TESTING	

## ATTENUATIONS dB/100 m.

5 MHz	3,7	470 MHz	33,1	1500 MHz	62,5
10 MHz	4,7	600 MHz	37,9	1750 MHz	66,9
50 MHz	11,0	800 MHz	43,8	2150 MHz	74,8
100 MHz	15,3	862 MHz	46,0	2400 MHz	79,0
200 MHz	21,0	1000 MHz	49,9	2750 MHz	83,7
300 MHz	26,1	1350 MHz	58,3	3000 MHz	87,5

## STRUCTURAL RETURN LOSS dB

30 ÷ 470	MHz	>28
470 ÷ 862	MHz	>23
862 ÷ 2150	MHz	>18
2150 ÷ 3000	MHz	>15

## SCREENING EFFECTIVENESS dB EN 50117 STANDARD

TRANSFER IMPEDANCE	5 ÷ 30	MHz	<5	mOhm/m
	30 ÷ 1000	MHz	>85	dB
	1000 ÷ 2000	MHz	>75	dB
	2000 ÷ 3000	MHz	>65	dB

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