



FABBRICA CAVI - ANTENNE - ACCESSORI TV

**ZHD 358**  
VIDEO SECURITY CABLE  
INDOOR & OUTDOOR INSTALLATIONS

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

CATEGORY

**A**

**EN 50117**

MAXIMUM VIDEO  SIGNAL TRANSMISSION :	PAL	500 m.
	AHD HD	350 m.
	HD - CVI	400 m.
	HD - TVI	250 m.
	HD - SDI	150 m.

CU ø 0,80 mm	PEG+PE ø 3,50 mm	LTA ø 3,60 mm	ALL ø 4,15 mm	LSZH ø 5,50 mm
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**MECHANICAL DATA**

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER	ø 0,80 mm
<b>B</b>	<b>DIELECTRIC</b>	GAS INJECTED FOAM POLYETHYLENE + CARBON BLACK PE	ø 3,50 ± 0,10 mm
<b>C</b>	<b>SHIELD</b>	ALUMINIUM + POLYESTER + ALUMINIUM TAPE - COVERAGE	h. 12 mm 100%
<b>D</b>	<b>BRAID</b>	ALUMINIUM - COVERAGE	80 x 0,16 mm 78%
<b>E</b>	<b>SHEATH</b>	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS - COLOUR - PRINTING	ø 5,50 ± 0,10 mm <b>BLUE - RAL 5010</b> <b>## METER ## SIVA ZHD 358 HD COAXIAL CABLE 75 OHM LSZH</b> <b>MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca</b>

<b>MINIMUM BENDING RADIUS ( mm )</b>	<b>CABLE WEIGHT ( Kg/Km )</b>
- SINGLE ø EXTERNAL X 5	- COPPER 9,1
- REPEATED ø EXTERNAL X 10	- PLASTIC 19,3
<b>TEMPERATURE RANGE</b> -40 °C / +80 °C	- TOTAL 29,4

**ELECTRICAL PROPERTIES at 20°C**

<b>IMPEDANCE</b>	75 ± 3 Ohm	<b>RESISTANCE</b>	
<b>CAPACITANCE</b>	53 pF/m	- INNER CONDUCT.	35,0 Ohm/Km
<b>VELOCITY RATIO</b>	84%	- BRAID	16,0 Ohm/Km
		<b>TENSION</b>	
		- SHEATH	3,0 kV
		- SPARK TESTING	

**ATTENUATIONS dB/100 m.**

5 MHz 1,8	470 MHz 17,2	1500 MHz 32,9
10 MHz 2,4	600 MHz 19,9	1750 MHz 35,4
50 MHz 5,7	800 MHz 22,8	2150 MHz 39,8
100 MHz 8,0	862 MHz 23,9	2400 MHz 42,5
200 MHz 11,1	1000 MHz 26,2	2750 MHz 45,8
300 MHz 13,6	1350 MHz 30,7	3000 MHz 48,2

**STRUCTURAL RETURN LOSS dB**

30 ÷ 470	MHz	>32
470 ÷ 862	MHz	>29
862 ÷ 2150	MHz	>26
2150 ÷ 3000	MHz	>21

**SCREENING EFFECTIVENESS dB EN 50117 STANDARD**

<b>TRANSFER IMPEDANCE</b>	5 ÷ 30	MHz	<5	mOhm/m
	30 ÷ 1000	MHz	>90	dB
	1000 ÷ 2000	MHz	>85	dB
	2000 ÷ 3000	MHz	>75	dB

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