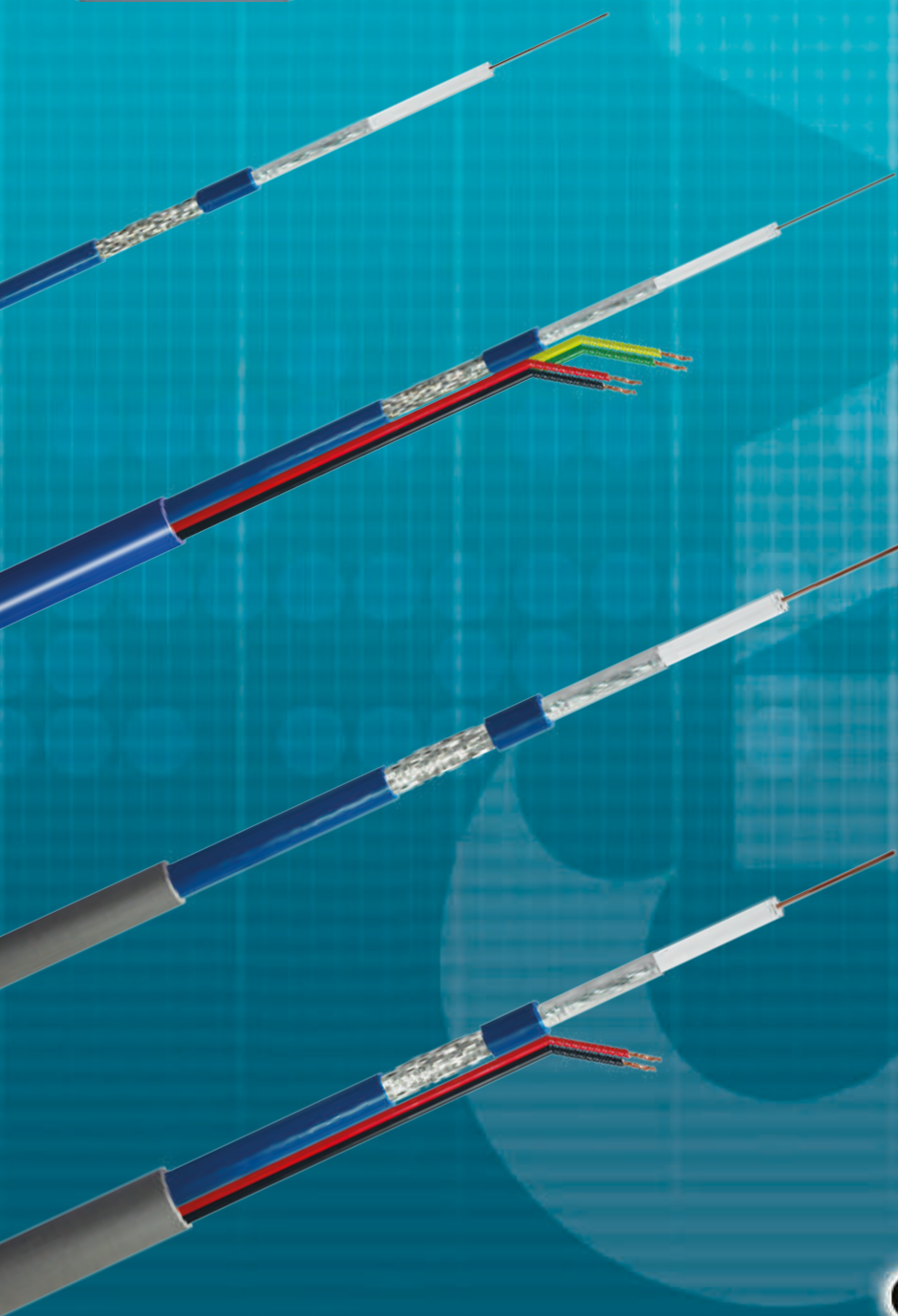




Cavi coassiali  
per videosorveglianza  
*Video Security*  
*Coaxial Cables*

**ZHD**



**SIVA**

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## VIDEO SECURITY COAXIAL CABLES

We produce our **VIDEO SECURITY** cables with **thermoplastic not flammable, low smoke halogen free (LSOH)** jacket, suitable for inner, outdoor or public spaces installations, where safety it is really necessary in case of fire.

They are suitable for the production of **analogic cameras, HD digital systems and for the video transmissions with professional equipment provided with SDI interface and HD-SDI ( 1,485 Gbps - standard SMPTE 292M )**

**ZHD 206 = minicoax  $\varnothing$  3,60 mm - COPPER**

**Maximum analogical video signal transmission: 400 m.**

**Maximum digital HD-SDI video signal transmission: 70 m.**

Thanks to the extruded jacket in " full " version of grey color RAL 7001, they are suitable for installations together **energy cables 0,6/1 kV - GRADE 4.**

**ZHD 208 = minicoax  $\varnothing$  3,70 mm - ALUMINIUM**

**Maximum analogical video signal transmission: 400 m.**

**Maximum digital HD-SDI video signal transmission: 70 m.**

Extruded jacket in " tube " version, blue colour RAL 5010.

**ZHD 358 =  $\varnothing$  5,50 mm**

**Maximum analogical video signal transmission: 800 m.**

**Maximum digital HD-SDI video signal transmission: 160 m.**

**ZHD 358 G4 =  $\varnothing$  6,80 mm**

**Maximum analogical video signal transmission: 800 m.**

**Maximum digital HD-SDI video signal transmission: 160 m.**

Thanks to the double jacket this cable is suitable to be lied together **energy cables 0,6/1 kV - GRADE 4.**

We remember you that all our production is **MADE IN ITALY**, produced completely in our plant in Bonate Sotto Bergamo with very good raw European materials.





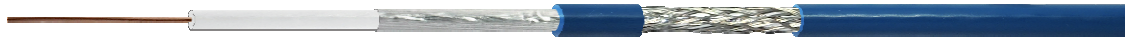
FABBRICA CAVI - ANTENNE - ACCESSORI TV

# ZHD 206



**MAXIMUM VIDEO SIGNAL TRANSMISSION:**

**ANALOGICAL 400 m.  
HD - SDI 70 m.**



### MECHANICAL DATA

	A	B	C	D	E
<b>A INNER CONDUCTOR</b>	COPPERWELD				..... $\varnothing$ 0,41 mm
<b>B DIELECTRIC</b>	FOAM POLYETHYLENE				..... $\varnothing$ 1,95 $\pm$ 0,10 mm
<b>C SHIELD</b>	ALUMINIUM + POLYESTER + ALUMINIUM TAPE				<b>100%</b>
<b>D BRAID</b>	TINNED COPPER				..... <b>62%</b>
<b>E SHEATH</b>	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS				$\varnothing$ 3,60 $\pm$ 0,10 mm
- COLOUR	<b>BLUE - RAL 5010</b>				
- PRINTING	<b>## METERS ## SIVA ZHD 206 HD COAXIAL CABLE 75 OHM LOW SMOKE HALOGEN FREE CE</b>				

### ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE</b>	75 $\pm$ 5 Ohm	<b>RESISTANCE</b>	
<b>CAPACITANCE</b>	56 pF/m	- <b>INNER CONDUCT.</b>	320,0 Ohm/Km
<b>VELOCITY RATIO</b>	80%	- <b>BRAID</b>	41,0 Ohm/Km

### ATTENUATIONS dB/100 m.

5 MHz	3,7	470 MHz	33,1	1500 MHz	62,5
10 MHz	4,7	600 MHz	43,8	1750 MHz	66,9
50 MHz	11,0	800 MHz	46,0	2150 MHz	74,8
100 MHz	15,3	862 MHz	37,9	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 $\div$ 470	MHz	>28
470 $\div$ 862	MHz	>23
862 $\div$ 2150	MHz	>18
2150 $\div$ 3000	MHz	>15

### SCREENING EFFECTIVENESS EN 50117 STANDARD

<b>TRANSFER IMPEDANCE</b> 5 $\div$ 30	MHz	<15	mOhm/m
30 $\div$ 1000	MHz	>75	dB
1000 $\div$ 2000	MHz	>65	dB
2000 $\div$ 3000	MHz	>55	dB

### COMPRESSION TOOL

### STRIPPING TOOL

### COMPRESSION BNC

### PACKAGING 1000 M.

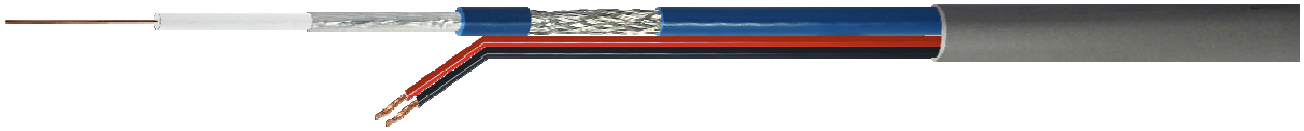


XX PINZA 206/208/358

XX SPEL 206/208/358

XX BNC 206/208

KVT 3420



# ZHD 206 F2 - 2 X 0,50 MM<sup>2</sup>

LAYING TOGHETER WITH POWER CABLES MARKING 0,6/1 kV

MAXIMUM VIDEO SIGNAL TRANSMISSION: ANALOGICAL 400 m.  
HD - SDI 70 m.

### ELECTRICAL CABLES

-	PLAIN COPPER	.....	<b>2x0,50 mm<sup>2</sup></b>
-	FLAME RETARDANT POLYVINYL-CHLORIDE		<b>2 x ø 1,70 ± 0,10 mm</b>
- COLOUR	<b>RED - BLACK</b>	<b>CORES RESISTANCE</b>	<b>39 Ohm/Km</b>
<b>SHEATH</b>	FLAME RETARDANT NON-CORROSIVE		<b>ø 7,20 ± 0,30 mm</b>
	THERMOPLASTIC FREE OF HALOGENS		
- COLOUR	<b>GREY - RAL 7001</b>		

# ZHD 206 H2 - 2 X 0,75 MM<sup>2</sup>

LAYING TOGHETER WITH POWER CABLES MARKING 0,6/1 kV

MAXIMUM VIDEO SIGNAL TRANSMISSION: ANALOGICAL 400 m.  
HD - SDI 70 m.

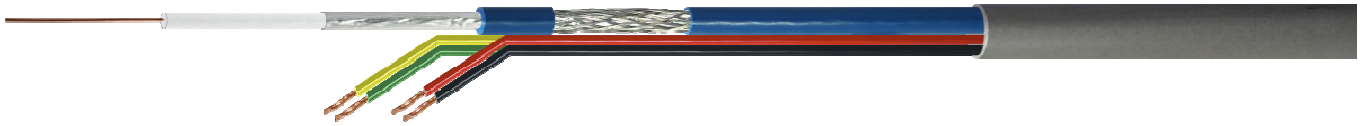
### ELECTRICAL CABLES

-	PLAIN COPPER	.....	<b>2x0,75 mm<sup>2</sup></b>
-	FLAME RETARDANT POLYVINYL-CHLORIDE		<b>2 x ø 2,00 ± 0,10 mm</b>
- COLOUR	<b>RED - BLACK</b>	<b>CORES RESISTANCE</b>	<b>26 Ohm/Km</b>
<b>SHEATH</b>	FLAME RETARDANT NON-CORROSIVE		<b>ø 7,30 ± 0,30 mm</b>
	THERMOPLASTIC FREE OF HALOGENS		
- COLOUR	<b>GREY - RAL 7001</b>		

COMPRESSION TOOL                      STRIPPING TOOL                      COMPRESSION BNC                      PACKAGING 200 M.



XX PINZA 206/208/358                      XX SPEL 206/208/358                      XX BNC 206/208                      KVT 3420



## ZHD 206 F2C2 - 2 X 0,50 MM<sup>2</sup> - 2 X 0,22 TWISTED

LAYING TOGHETER WITH POWER CABLES MARKING 0,6/1 kV

**MAXIMUM VIDEO SIGNAL TRANSMISSION:** ANALOGICAL 400 m.  
HD - SDI 70 m.

<b>ELECTRICAL CABLES</b>	PLAIN COPPER .....	2x0,50 mm <sup>2</sup>
-	FLAME RETARDANT POLYVINYL-CHLORIDE	2 x $\phi$ 1,70 $\pm$ 0,10 mm
- COLOUR	<b>RED - BLACK</b> <b>CORES RESISTANCE</b>	39 Ohm/Km
-	PLAIN COPPER .....	1 x ( 2x0,22 mm <sup>2</sup> )
-	FLAME RETARDANT POLYVINYL-CHLORIDE	1 x ( 2 x $\phi$ 1,20 $\pm$ 0,10 mm )
- COLOUR	<b>GREEN - YELLOW</b> <b>TWISTED</b> <b>CORES RESISTANCE</b>	82 Ohm/Km
<b>SHEATH</b>	FLAME RETARDANT NON-CORROSIVE	$\phi$ 7,40 $\pm$ 0,30 mm
-	THERMOPLASTIC FREE OF HALOGENS	
- COLOUR	<b>GREY - RAL 7001</b>	

## ZHD 206 H2C2 - 2 X 0,75 MM<sup>2</sup> - 2 X 0,22 TWISTED

LAYING TOGHETER WITH POWER CABLES MARKING 0,6/1 kV

**MAXIMUM VIDEO SIGNAL TRANSMISSION:** ANALOGICAL 400 m.  
HD - SDI 70 m.

<b>ELECTRICAL CABLES</b>	PLAIN COPPER .....	2x0,75 mm <sup>2</sup>
-	FLAME RETARDANT POLYVINYL-CHLORIDE	2 x $\phi$ 2,00 $\pm$ 0,10 mm
- COLOUR	<b>RED - BLACK</b> <b>CORES RESISTANCE</b>	26 Ohm/Km
-	PLAIN COPPER .....	1 x ( 2x0,22 mm <sup>2</sup> )
-	FLAME RETARDANT POLYVINYL-CHLORIDE	1 x ( 2 x $\phi$ 1,20 $\pm$ 0,10 mm )
- COLOUR	<b>GREEN - YELLOW</b> <b>TWISTED</b> <b>CORES RESISTANCE</b>	82 Ohm/Km
<b>SHEATH</b>	FLAME RETARDANT NON-CORROSIVE	$\phi$ 7,50 $\pm$ 0,30 mm
-	THERMOPLASTIC FREE OF HALOGENS	
- COLOUR	<b>GREY - RAL 7001</b>	

COMPRESSION TOOL

STRIPPING TOOL

COMPRESSION BNC

PACKAGING 200 M.



XX PINZA 206/208/358

XX SPEL 206/208/358

XX BNC 206/208

KVT 3420

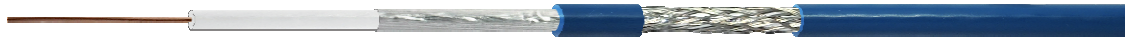


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# ZHD 208



**MAXIMUM VIDEO SIGNAL TRANSMISSION:** ANALOGICAL 400 m.  
HD - SDI 70 m.



### MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER	.....	$\phi$ 0,40 mm
<b>B</b>	<b>DIELECTRIC</b>	FOAM POLYETHYLENE	.....	$\phi$ 1,95 $\pm$ 0,10 mm
<b>C</b>	<b>SHIELD</b>	ALUMINIUM + POLYESTER + ALUMINIUM TAPE		100%
<b>D</b>	<b>BRAID</b>	ALUMINIUM	.....	77%
<b>E</b>	<b>SHEATH</b>	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS		$\phi$ 3,70 $\pm$ 0,10 mm
	- COLOUR	<b>BLUE - RAL 5010</b>		
	- PRINTING	<b>## METERS ## SIVA ZHD 208 HD COAXIAL CABLE 75 OHM LOW SMOKE HALOGEN FREE CE</b>		

### ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE</b>	75 $\pm$ 5 Ohm	<b>RESISTANCE</b>	
<b>CAPACITANCE</b>	56 pF/m	- <b>INNER CONDUCT.</b>	142,0 Ohm/Km
<b>VELOCITY RATIO</b>	80%	- <b>BRAID</b>	25,0 Ohm/Km

### ATTENUATIONS dB/100 m.

5 MHz	3,8	470 MHz	34,0	1500 MHz	64,1
10 MHz	4,9	600 MHz	39,0	1750 MHz	68,6
50 MHz	11,3	800 MHz	45,0	2150 MHz	76,7
100 MHz	15,7	862 MHz	47,3	2400 MHz	81,1
200 MHz	21,5	1000 MHz	51,3	2750 MHz	86,0
300 MHz	26,8	1350 MHz	59,8	3000 MHz	89,9

### STRUCTURAL RETURN LOSS dB

30 $\div$ 470	MHz	>28
470 $\div$ 862	MHz	>23
862 $\div$ 2150	MHz	>18
2150 $\div$ 3000	MHz	>15

### SCREENING EFFECTIVENESS EN 50117 STANDARD

<b>TRANSFER IMPEDANCE</b>	5 $\div$ 30	MHz	<15	mOhm/m
	30 $\div$ 1000	MHz	>80	dB
	1000 $\div$ 2000	MHz	>70	dB
	2000 $\div$ 3000	MHz	>60	dB

### COMPRESSION TOOL      STRIPPING TOOL      COMPRESSION BNC      PACKAGING 1000 M.



**XX PINZA 206/208/358      XX SPEL 206/208/358      XX BNC 206/208      KVT 3420**



# ZHD 208 F2 - 2 X 0,50 MM<sup>2</sup>

**MAXIMUM VIDEO SIGNAL TRANSMISSION:** ANALOGICAL 400 m.  
HD - SDI 70 m.

**ELECTRICAL CABLES**

- PLAIN COPPER ..... 2x0,50 mm<sup>2</sup>
- FLAME RETARDANT POLYVINYL-CHLORIDE 2 x ø 1,70 ± 0,10 mm
- COLOUR RED - BLACK CORES RESISTANCE 39 Ohm/Km

**SHEATH**

- FLAME RETARDANT NON-CORROSIVE ø 7,20 ± 0,30 mm
- THERMOPLASTIC FREE OF HALOGENS
- COLOUR BLUE - RAL 5010

# ZHD 208 H2 - 2 X 0,75 MM<sup>2</sup>

**MAXIMUM VIDEO SIGNAL TRANSMISSION:** ANALOGICAL 400 m.  
HD - SDI 70 m.

**ELECTRICAL CABLES**

- PLAIN COPPER ..... 2x0,75 mm<sup>2</sup>
- FLAME RETARDANT POLYVINYL-CHLORIDE 2 x ø 2,00 ± 0,10 mm
- COLOUR RED - BLACK CORES RESISTANCE 26 Ohm/Km

**SHEATH**

- FLAME RETARDANT NON-CORROSIVE ø 7,30 ± 0,30 mm
- THERMOPLASTIC FREE OF HALOGENS
- COLOUR BLUE - RAL 5010

**COMPRESSION TOOL      STRIPPING TOOL      COMPRESSION BNC      PACKAGING 200 M.**



XX PINZA 206/208/358



XX SPEL 206/208/358



XX BNC 206/208



KVT 3420



## ZHD 208 F2C2 - 2 X 0,50 MM<sup>2</sup> - 2 X 0,22 TWISTED

**MAXIMUM VIDEO SIGNAL TRANSMISSION:** ANALOGICAL 400 m.  
HD - SDI 70 m.

<b>ELECTRICAL CABLES</b>	PLAIN COPPER .....	2x0,50 mm <sup>2</sup>
-	FLAME RETARDANT POLYVINYL-CHLORIDE	2 x $\phi$ 1,70 $\pm$ 0,10 mm
- COLOUR	<b>RED - BLACK</b> <b>CORES RESISTANCE</b>	39 Ohm/Km
-	PLAIN COPPER .....	1 x ( 2x0,22 mm <sup>2</sup> )
-	FLAME RETARDANT POLYVINYL-CHLORIDE	1 x ( 2 x $\phi$ 1,20 $\pm$ 0,10 mm )
- COLOUR	<b>GREEN - YELLOW</b> <b>TWISTED</b> <b>CORES RESISTANCE</b>	82 Ohm/Km
<b>SHEATH</b>	FLAME RETARDANT NON-CORROSIVE	$\phi$ 7,40 $\pm$ 0,30 mm
-	THERMOPLASTIC FREE OF HALOGENS	
- COLOUR	<b>BLUE - RAL 5010</b>	

## ZHD 208 H2C2 - 2 X 0,75 MM<sup>2</sup> - 2 X 0,22 TWISTED

**MAXIMUM VIDEO SIGNAL TRANSMISSION:** ANALOGICAL 400 m.  
HD - SDI 70 m.

<b>ELECTRICAL CABLES</b>	PLAIN COPPER .....	2x0,75 mm <sup>2</sup>
-	FLAME RETARDANT POLYVINYL-CHLORIDE	2 x $\phi$ 2,00 $\pm$ 0,10 mm
- COLOUR	<b>RED - BLACK</b> <b>CORES RESISTANCE</b>	26 Ohm/Km
-	PLAIN COPPER .....	1 x ( 2x0,22 mm <sup>2</sup> )
-	FLAME RETARDANT POLYVINYL-CHLORIDE	1 x ( 2 x $\phi$ 1,20 $\pm$ 0,10 mm )
- COLOUR	<b>GREEN - YELLOW</b> <b>TWISTED</b> <b>CORES RESISTANCE</b>	82 Ohm/Km
<b>SHEATH</b>	FLAME RETARDANT NON-CORROSIVE	$\phi$ 7,50 $\pm$ 0,30 mm
-	THERMOPLASTIC FREE OF HALOGENS	
- COLOUR	<b>BLUE - RAL 5010</b>	

COMPRESSION TOOL

STRIPPING TOOL

COMPRESSION BNC

PACKAGING 200 M.



XX PINZA 206/208/358

XX SPEL 206/208/358

XX BNC 206/208

KVT 3420





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# ZHD 358



**MAXIMUM VIDEO SIGNAL TRANSMISSION:** ANALOGICAL 800 m.  
HD - SDI 160 m.



A B C D E

### MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER + CARBON BLACK POLYETHYLENE	$\phi$ 0,80 mm
<b>B</b>	<b>DIELECTRIC</b>	GAS INJECTED FOAM POLYETHYLENE + CARBON BLACK	$\phi$ 3,50 $\pm$ 0,10 mm
<b>C</b>	<b>SHIELD</b>	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	100%
<b>D</b>	<b>BRAID</b>	ALUMINIUM	78%
<b>E</b>	<b>SHEATH</b>	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	$\phi$ 5,50 $\pm$ 0,10 mm
	- COLOUR	<b>BLUE - RAL 5010</b>	
	- PRINTING	METERS SIVA ZHD 358 HD COAXIAL CABLE 75 OHM LOW SMOKE HALOGEN FREE CE	

### ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE</b>	75 $\pm$ 3 Ohm	<b>RESISTANCE</b>	
<b>CAPACITANCE</b>	53 pF/m	- <b>INNER CONDUCT.</b>	35,0 Ohm/Km
<b>VELOCITY RATIO</b>	84%	- <b>BRAID</b>	16,0 Ohm/Km

### 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 $\div$ 470	MHz	>32
470 $\div$ 862	MHz	>29
862 $\div$ 2150	MHz	>26
2150 $\div$ 3000	MHz	>21

### SCREENING EFFECTIVENESS EN 50117 STANDARD

<b>TRANSFER IMPEDANCE</b>	5 $\div$ 30	MHz	<15	mOhm/m
	30 $\div$ 1000	MHz	>90	dB
	1000 $\div$ 2000	MHz	>80	dB
	2000 $\div$ 3000	MHz	>70	dB

COMPRESSION TOOL      STRIPPING TOOL      COMPRESSION BNC      PACKAGING 250 M.



XX PINZA 206/208/358      XX SPEL 206/208/358      XX BNC 358      KVT 3420



FABBRICA CAVI - ANTENNE - ACCESSORI TV

# ZHD 358 G4



## LAYING TOGETHER WITH POWER CABLES MARKING 0,6/1 kV

**MAXIMUM VIDEO SIGNAL TRANSMISSION:** ANALOGICAL 800 m.  
HD - SDI 160 m.



A B C D E F

### MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER + CARBON BLACK POLYETHYLENE	$\varnothing$ 0,80 mm
<b>B</b>	<b>DIELECTRIC</b>	GAS INJECTED FOAM POLYETHYLENE + CARBON BLACK	$\varnothing$ 3,50 $\pm$ 0,10 mm
<b>C</b>	<b>SHIELD</b>	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	100%
<b>D</b>	<b>BRAID</b>	ALUMINIUM	78%
<b>E</b>	<b>SHEATH</b>	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	$\varnothing$ 5,50 $\pm$ 0,10 mm
	- COLOUR	<b>BLUE - RAL 5010</b>	
<b>F</b>	<b>SHEATH</b>	CARBON BLACK POLYETHYLENE	$\varnothing$ 6,80 $\pm$ 0,10 mm
	- COLOUR	<b>BLACK - RAL 9004</b>	
	- PRINTING	<b>## METERS ## SIVA ZHD 358 G4 HD COAXIAL CABLE 75 OHM LSHF GR.4 0,6 / 1 kV CE</b>	

### ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE</b>	75 $\pm$ 3 Ohm	<b>RESISTANCE</b>	
<b>CAPACITANCE</b>	53 pF/m	- <b>INNER CONDUCT.</b>	35,0 Ohm/Km
<b>VELOCITY RATIO</b>	84%	- <b>BRAID</b>	16,0 Ohm/Km

### 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 $\div$ 470	MHz	>32
470 $\div$ 862	MHz	>29
862 $\div$ 2150	MHz	>26
2150 $\div$ 3000	MHz	>21

### SCREENING EFFECTIVENESS EN 50117 STANDARD

<b>TRANSFER IMPEDANCE</b> 5 $\div$ 30	MHz	<15	mOhm/m
30 $\div$ 1000	MHz	>90	dB
1000 $\div$ 2000	MHz	>80	dB
2000 $\div$ 3000	MHz	>70	dB

### COMPRESSION TOOL      STRIPPING TOOL      COMPRESSION BNC      PACKAGING 250 M.



XX PINZA 206/208/358



XX SPEL 206/208/358



XX BNC 358



KVT 3420



**SIVA**

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