



FABBRICA CAVI - ANTENNE - ACCESSORI TV

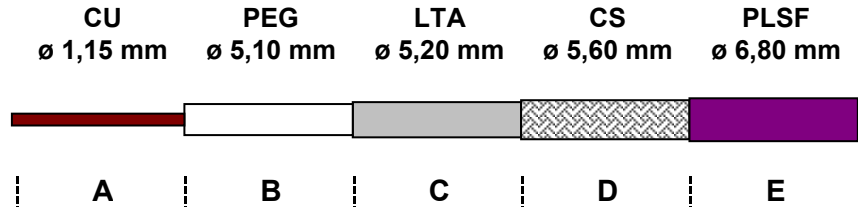
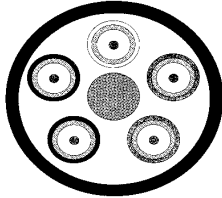


# 5 X SLS 51900

BROADCAST VIDEO DIGITAL 6 Gb/s UHDTV - 3 Gb/s HD-SDI  
COMPLIANCE WITH CEI 20-11 CEI 20-22/II CEI 20-35 I/II IEC 60332 I/II/III

CATEGORY

**A+**  
**EN 50117**



## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCT.</b>	PLAIN COPPER	ø 1,15 mm
<b>B</b>	<b>DIELECTRIC</b>	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 5,10 ± 0,10 mm
<b>C</b>	<b>SHIELD</b>	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	h. 18 mm
	- COVERAGE		100%
<b>D</b>	<b>BRAID</b>	TINNED COPPER	216 x 0,10 mm
	- COVERAGE		90%
<b>E</b>	<b>SHEATH</b>	FLAME RETARDANT POLYVINYL-CHLORIDE	ø 6,80 ± 0,10 mm
	- COLOUR	<b>VIOLET - RAL 4001</b>	
	- PRINTING	<b>NUMBER OF THE CABLE</b>	
	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 24,5 ± 0,50 mm
	- COLOUR	<b>BLACK - RAL 9004</b>	

### MINIMUM BENDING RADIUS ( mm )

- SINGLE	ø EXTERNAL X 5
- REPEATED	ø EXTERNAL X 10

### TEMPERATURE RANGE

-25 °C / +80 °C

### CABLE WEIGHT ( Kg/Km )

- COPPER	130,0
- PLASTIC	461,1
- TOTAL	599,4

## ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE</b>	75 ± 3 Ohm	<b>RESISTANCE</b>	
<b>CAPACITANCE</b>	53 pF/m	- <b>INNER CONDUCT.</b>	16,6 Ohm/Km
<b>VELOCITY RATIO</b>	84%	- <b>BRAID</b>	9,5 Ohm/Km

### ATTENUATIONS dB/100 m.

5 MHz	1,0	135 MHz	6,0	1500 MHz	22,2
10 MHz	1,4	143 MHz	6,3	1750 MHz	23,8
50 MHz	3,5	180 MHz	7,2	2150 MHz	27,0
71,5 MHz	4,3	360 MHz	10,3	2500 MHz	29,4
88,5 MHz	4,8	750 MHz	15,0	3000 MHz	33,1
100 MHz	5,3	1000 MHz	17,5	6000 MHz	51,3

### 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.