



FABBRICA CAVI - ANTENNE - ACCESSORI TV

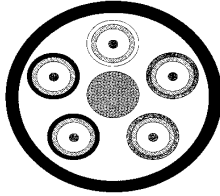


# 5 X SLS 28810

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**



<b>CU</b>	<b>PEG</b>	<b>LTA</b>	<b>CS</b>	<b>PLSF</b>
ø 0,60 mm	ø 2,80 mm	ø 2,90 mm	ø 3,30 mm	ø 4,50 mm



|| A || B || C || D || E ||

## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCT.</b>	PLAIN COPPER	ø 0,60 mm
<b>B</b>	<b>DIELECTRIC</b>	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 2,80 ± 0,10 mm
<b>C</b>	<b>SHIELD</b>	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	h. 12 mm
	- COVERAGE		100%
<b>D</b>	<b>BRAID</b>	TINNED COPPER	128 x 0,10 mm
	- COVERAGE		91%
<b>E</b>	<b>SHEATH</b>	FLAME RETARDANT POLYVINYL-CHLORIDE	ø 4,50 ± 0,10 mm
	- COLOUR	<b>GREEN - RAL 6018</b>	
	- PRINTING	<b>NUMBER OF THE CABLE</b>	
	<b>SHEATH</b>	FLAME RETARDANT POLYVINYL-CHLORIDE	ø 14,20 ± 0,40 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	62,5
- PLASTIC	126,7
- TOTAL	194,2

## ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE</b>	75 ± 3 Ohm	<b>RESISTANCE</b>	
<b>CAPACITANCE</b>	56 pF/m	- INNER CONDUCT.	62,0 Ohm/Km
<b>VELOCITY RATIO</b>	80%	- BRAID	12,8 Ohm/Km

### ATTENUATIONS dB/100 m.

5 MHz	2,5	135 MHz	11,8	1500 MHz	41,9
10 MHz	3,4	143 MHz	12,5	1750 MHz	44,3
50 MHz	7,7	180 MHz	14,1	2150 MHz	50,4
71,5 MHz	9,0	360 MHz	19,6	2500 MHz	55,3
88,5 MHz	9,8	750 MHz	28,5	3000 MHz	60,6
100 MHz	10,8	1000 MHz	34,6	6000 MHz	91,0

### STRUCTURAL RETURN LOSS dB

30 ÷ 470 MHz	>28	3000 ÷ 4500 MHz	>14
470 ÷ 862 MHz	>24	4500 ÷ 6000 MHz	>13
862 ÷ 2150 MHz	>19	6000 ÷ 12000 MHz	-
2150 ÷ 3000 MHz	>17		

### SCREENING EFFECTIVENESS dB

#### EN 50117 STANDARD

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.