



FABBRICA CAVI - ANTENNE - ACCESSORI TV

SLS 20830

BROADCASTING VIDEO CABLE

ANALOG, DIGITAL RECEPTION (SDI-SDV-SDTI-HDTV)

CEI 20-11 CEI 20-22/II CEI 20-35 I/II IEC 60332 I/II/III

Class CPR **E_{ca}**

CATEGORY

A
EN 50117

CU **PEG** **LTA** **CS** **PLSF**
 ø 0,40 mm ø 1,95 mm ø 2,05 mm ø 2,45 mm ø 3,50 mm



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

MECHANICAL DATA

A	INNER CONDUCT.	PLAIN COPPER	.....	ø 0,40 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	.....	ø 1,95 ± 0,10 mm
C	SHIELD	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	.....	h. 8 mm
		- COVERAGE	.....	100%
D	BRAID	TINNED COPPER	.....	80 x 0,10 mm
		- COVERAGE	.....	83%
E	SHEATH	FLAME RETARDANT POLYVINYL-CHLORIDE	.....	ø 3,50 ± 0,10 mm
	- COLOUR	VIOLET - RAL 4001		
	- PRINTING	## METER ## SIVA SLS 20830 HD PRO CABLE 75 OHM AF		
		MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca		

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	7,0
- PLASTIC	9,9
- TOTAL	17,7

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	75 ± 5 Ohm	RESISTANCE	
		- INNER CONDUCT.	142,0 Ohm/Km
CAPACITANCE	56 pF/m	- BRAID	21,0 Ohm/Km
VELOCITY RATIO	80%	TENSION	
		- SHEATH	2,5 kV
		- SPARK TESTING	

ATTENUATIONS dB/100 m.

5 MHz	4,1	135 MHz	18,4	750 MHz	42,5	2500 MHz	82,3
71,5 MHz	13,4	180 MHz	21,1	1000 MHz	51,6	3000 MHz	89,6
88,5 MHz	14,6	360 MHz	29,8	1500 MHz	60,9	6000 MHz	-

MAXIMUM TRANSMISSION DISTANCE CALCULATED - meters

SMPTE ST 259				SMPTE ST 292	SMPTE ST 424	SMPTE ST		
143 Mb/s	177 Mb/s	270 Mb/s	360 Mb/s	1,5 Gb/s	3,0 Gb/s	425-4	2081-1	2082-1
Composite NTSC	Composite PAL	Comp. 4:3 SD-SDI	Widescreen 16:9 SD-SDI	HD-SDI 1080i 1,5G-SDI	HD-SDI 1080p 3G-SDI	3,0 Gb/s	6,0 Gb/s	12,0 Gb/s
						UHDTV1 UHDTV2		
224	205	163	142	47	33	66	45	-

STRUCTURAL RETURN LOSS dB

30 ÷ 470 MHz	>28	3000 ÷ 4500 MHz	-
470 ÷ 862 MHz	>23	4500 ÷ 6000 MHz	-
862 ÷ 2150 MHz	>18	6000 ÷ 12000 MHz	-
2150 ÷ 3000 MHz	>15		

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.