



FABBRICA CAVI - ANTENNE - ACCESSORI TV

SGM 37932 FX

CAVO VIDEO PER BROADCAST

Classe CPR **E_{ca}**

DIGITALE 6 Gb/s UHDTV - 3 Gb/s HD-SDI

CU 7 x 0,26 mm PEG ø 3,70 mm CS ø 4,20 mm CS ø 4,65 mm PVC2 ø 6,15 mm



A B C D E

MECHANICAL DATA

A	INNER CONDUCT.	PLAIN COPPER	7 x 0,26 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 3,70 ± 0,10 mm
C	SHIELD	TINNED COPPER	128 x 0,12 mm
		- COVERAGE	93%
D	BRAID	TINNED COPPER	144 x 0,12 mm
		- COVERAGE	92%
E	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 6,15 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING		

MINIMUM BENDING RADIUS (mm)

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

TEMPERATURE RANGE -35 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- COPPER 35,4
- PLASTIC 23,6
- TOTAL 59,0

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 75 ± 3 Ohm

CAPACITANCE 56 pF/m

VELOCITY RATIO 80%

RESISTANCE

- INNER CONDUCT. 36,5 Ohm/Km
- BRAID 7,0 Ohm/Km

TENSION

- SHEATH 3,5 kV
- SPARK TESTING

ATTENUATIONS dB/100 m.

5 MHz	2,5	135 MHz	11,8	750 MHz	28,5	2500 MHz	55,3
71,5 MHz	9,0	180 MHz	14,1	1000 MHz	34,6	3000 MHz	60,6
88,5 MHz	9,8	360 MHz	19,6	1500 MHz	41,9	6000 MHz	91,0

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		
333	306	254	213	70	48	95	66	44

STRUCTURAL RETURN LOSS dB

30 ÷ 470 MHz	>27	3000 ÷ 4500 MHz	>13
470 ÷ 862 MHz	>23	4500 ÷ 6000 MHz	>12
862 ÷ 2150 MHz	>18	6000 ÷ 12000 MHz	-
2150 ÷ 3000 MHz	>16		

SCREENING EFFECTIVENESS dB

100 ÷ 900 MHz	>76
900 ÷ 2000 MHz	-
2000 ÷ 3000 MHz	-

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