



FABBRICA CAVI - ANTENNE - ACCESSORI TV

# SGM 46902 FX

CAVO VIDEO PER BROADCAST

Classe CPR **E<sub>ca</sub>**

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

CS 7 x 0,35 mm    PEE ø 4,60 mm    CS ø 5,10 mm    CS ø 5,55 mm    PVC2 ø 6,95 mm



A    B    C    D    E

## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCT.</b>	TINNED COPPER	7 x 0,35 mm
<b>B</b>	<b>DIELECTRIC</b>	FOAM POLYETHYLENE	ø 4,60 ± 0,10 mm
<b>C</b>	<b>SHIELD</b>	TINNED COPPER - COVERAGE	160 x 0,12 mm 90%
<b>D</b>	<b>BRAID</b>	TINNED COPPER - COVERAGE	160 x 0,12 mm 90%
<b>E</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 6,95 ± 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 43,4
- PLASTIC 28,3
- TOTAL 71,7

## ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 75 ± 3 Ohm

CAPACITANCE 56 pF/m

VELOCITY RATIO 80%

## RESISTANCE

- INNER CONDUCT. 26,0 Ohm/Km
- BRAID 6,0 Ohm/Km

## TENSION

- SHEATH SPARK TESTING 3,5 kV

## ATTENUATIONS dB/100 m.

5 MHz 1,7	135 MHz 9,9	750 MHz 26,0	2500 MHz 53,0
71,5 MHz 6,9	180 MHz 11,3	1000 MHz 31,3	3000 MHz 59,0
88,5 MHz 8,0	360 MHz 17,0	1500 MHz 38,7	6000 MHz 106,9

## 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		
435	375	303	265	77	52	103	68	37

## STRUCTURAL RETURN LOSS dB

30 ÷ 470 MHz >23	3000 ÷ 4500 MHz >15
470 ÷ 862 MHz >21	4500 ÷ 6000 MHz >13
862 ÷ 2150 MHz >19	6000 ÷ 12000 MHz -
2150 ÷ 3000 MHz >17	

## SCREENING EFFECTIVENESS dB

100 ÷ 900 MHz >75
900 ÷ 2000 MHz -
2000 ÷ 3000 MHz -

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