



FABBRICA CAVI - ANTENNE - ACCESSORI TV

# RG 059 FX

75 OHM RF COAXIAL CABLE

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

CU PE CU PVC2  
7 x 0,20 mm ø 3,70 mm ø 4,10 mm ø 6,20 mm



A B C D

## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER	7 x 0,20 mm
<b>B</b>	<b>DIELECTRIC</b>	LOW DENSITY POLYETHYLENE	ø 3,70 ± 0,10 mm
<b>C</b>	<b>BRAID</b>	PLAIN COPPER	168 x 0,10 mm
		- COVERAGE	92%
<b>D</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 6,20 ± 0,10 mm
	- COLOUR	<b>BLACK - RAL 9004</b>	
	- PRINTING	<b>M17/29-RG59 RG 59 FLEX 75 Ohm</b>	
		<b>MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca</b>	

### MINIMUM BENDING RADIUS ( mm )

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

### TEMPERATURE RANGE

-30 °C / +70 °C

### CABLE WEIGHT ( Kg/Km )

- COPPER 14,5
- PLASTIC 35,4
- TOTAL 49,9

## ELECTRICAL PROPERTIES at 20°C

**IMPEDANCE** 75 ± 3 Ohm

**CAPACITANCE** 67 pF/m

**VELOCITY RATIO** 66%

### RESISTANCE

- INNER CONDUCT. 82 Ohm/Km
- BRAID 13 Ohm/Km

### TENSION

- SHEATH SPARK TESTING 5,0 kV

### ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,5	
10	MHz	3,4	
50	MHz	7,9	
100	MHz	11,5	
200	MHz	16,8	
400	MHz	24,1	

### MAX. POWER RATING W

		dB	W
500	MHz	27,3	
600	MHz	30,4	
800	MHz	35,4	
1000	MHz	40,1	
1350	MHz	47,9	
1500	MHz	51,1	

		dB	W
1750	MHz	56,3	
2150	MHz	64,3	
2250	MHz	65,8	
2500	MHz	71,1	
2750	MHz	74,1	
3000	MHz	77,5	

### STRUCTURAL RETURN LOSS dB

30 ÷ 300 MHz >30  
300 ÷ 600 MHz >25  
600 ÷ 1000 MHz >22

1000 ÷ 2000 MHz >20  
2000 ÷ 3000 MHz >16  
..... ÷ ..... MHz -

### SCREENING EFFECTIVENESS dB

100 ÷ 900 MHz >57  
900 ÷ 2000 MHz -  
2000 ÷ 3000 MHz -

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