



FABBRICA CAVI - ANTENNE - ACCESSORI TV

RG 223 FX

DOUBLE SCREENED 50 OHM RF COAXIAL CABLE

Class CPR **E_{ca}**

CS 19 x 0,18 mm PE ø 2,95 mm CA ø 3,50 mm CA ø 4,00 mm PVC2 ø 5,40 mm



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

MECHANICAL DATA

A	INNER CONDUCTOR	TINNED COPPER	19 x 0,18 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	ø 2,95 ± 0,10 mm
C	1° BRAID	SILVERED COPPER	112 x 0,13 mm
		- COVERAGE	98%
D	2° BRAID	SILVERED COPPER	112 x 0,13 mm
		- COVERAGE	97%
E	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 5,40 ± 0,10 mm
		- COLOUR	BLACK - RAL 9004
		- PRINTING	M17/84-RG223 RG 223 FLEX 50 Ohm 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

-30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- COPPER 32,7
- PLASTIC 21,5
- TOTAL 54,2

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 3 Ohm

CAPACITANCE 100 pF/m

VELOCITY RATIO 66%

RESISTANCE

- INNER CONDUCT. 36,5 Ohm/Km
- BRAID 8,00 Ohm/Km

TENSION

- SHEATH 3,5 kV
- SPARK TESTING

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,9	849
10	MHz	4,3	600
30	MHz	7,9	346
50	MHz	10,2	268
150	MHz	18,2	155
220	MHz	22,2	128

MAX. POWER RATING W

		dB	W
450	MHz	33,0	89
600	MHz	38,9	77
800	MHz	45,8	67
900	MHz	48,9	63
1000	MHz	52,4	60
1500	MHz	67,0	49

		dB	W
1800	MHz	74,7	44
2000	MHz	79,8	43
2500	MHz	91,6	38
3000	MHz	102,0	35
5200	MHz	156,3	26
5800	MHz	170,7	25

STRUCTURAL RETURN LOSS dB

30 ÷ 450 MHz	>27	2000 ÷ 3000 MHz	>18
450 ÷ 1000 MHz	>25	3000 ÷ 4000 MHz	>15
1000 ÷ 2000 MHz	>20	4000 ÷ 5800 MHz	>11

SCREENING EFFECTIVENESS dB

100 ÷ 900 MHz	>78
900 ÷ 2000 MHz	
2000 ÷ 3000 MHz	

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