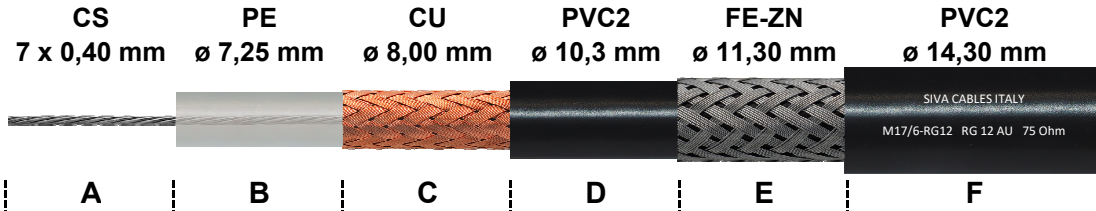


# RG 12 AU

75 OHM RF COAXIAL CABLE  
MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS



## MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	TINNED COPPER	7 x 0,40 mm
<b>B</b>	<b>DIELECTRIC</b>	LOW DENSITY POLYETHYLENE	ø 7,25 ± 0,18 mm
<b>C</b>	<b>BRAID</b>	PLAIN COPPER	192 x 0,18 mm
	- COVERAGE		97%
<b>D</b>	<b>1° SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 10,3 ± 0,18 mm
	- COLOUR	<b>BLACK - RAL 9004</b>	
<b>E</b>	<b>ARM</b>	ZINC-PLATED STEEL	144 x 0,24 mm
	- COVERAGE		85%
<b>F</b>	<b>2° SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 14,30 ± 0,20 mm
	- COLOUR	<b>BLACK - RAL 9004</b>	
	- PRINTING	<b>M - 17/6 RG 12 MIL-C-17F RG 12 AU 75 OHM</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	57,0
- PLASTIC	179,3
- TOTAL	298,5

## ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE</b>	75 ± 3 Ohm	<b>RESISTANCE</b>	
<b>CAPACITANCE</b>	67 pF/m	- INNER CONDUCT.	20,5 Ohm/Km
<b>VELOCITY RATIO</b>	66%	- BRAID	4,4 Ohm/Km
		<b>TENSION</b>	
		- SHEATH	7,5 kV
		- SPARK TESTING	

### ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,2	
10	MHz	1,7	
50	MHz	4,2	
100	MHz	6,2	
200	MHz	9,3	
400	MHz	13,8	

### MAX. POWER RATING W

		dB	W
500	MHz	15,5	
600	MHz	17,1	
800	MHz	20,5	
1000	MHz	23,4	
1350	MHz	30,2	
1500	MHz	32,5	

		dB	W
1750	MHz	36,6	
2150	MHz	42,5	
2250	MHz	43,1	
2500	MHz	45,8	
2750	MHz	47,6	
3000	MHz	50,1	

### STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>30
300 ÷ 600	MHz	>27
600 ÷ 1000	MHz	>25
1000 ÷ 2000	MHz	>22
2000 ÷ 3000	MHz	>20
..... ÷ .....	MHz	-

### SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>70
900 ÷ 2000	MHz	-
2000 ÷ 3000	MHz	-

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