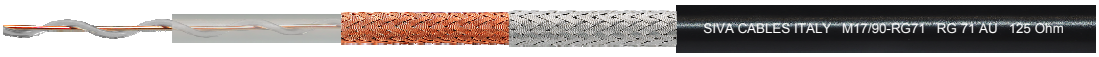
FABBRICA CAVI - ANTENNE - ACCESSORI TV

RG 71 AU

DOUBLE SCREENED 93 OHM RF COAXIAL CABLE
MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS

Class CPR F_{ca}

CW	PEA	CU	CS	PVC2
ø 0,64 mm	ø 3,70 mm	ø 4,35 mm	ø 4,85 mm	ø 6,20 mm



A B C D E

MECHANICAL DATA

A	**INNER CONDUCTOR**	COPPERWELD	**ø 0,64 ± 0,025 mm**
B	**DIELECTRIC**	AIRED POLYETHYLENE	**ø 3,70 ± 0,13 mm**
C	**1° BRAID**	PLAIN COPPER	**112 x 0,16 mm**
		- COVERAGE	**96%**
D	**2° BRAID**	TINNED COPPER	**144 x 0,13 mm**
		- COVERAGE	**93%**
E	**SHEATH**	NON-CONTAMINATING POLYVINYL-CHLORIDE	**ø 6,20 ± 0,13 mm**
	- COLOUR	**BLACK - RAL 9004**	
	- PRINTING	**M - 17/90 RG 71 MIL-C-17F RG 71 AU 93 OHM**	

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** 44,0
- **PLASTIC** 24,0
- **TOTAL** 68,0

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 93 ± 5 Ohm

CAPACITANCE 44 pF/m

VELOCITY RATIO 84%

RESISTANCE
- **INNER CONDUCT.** 130 Ohm/Km
- **BRAID** 7 Ohm/Km

TENSION
- **SHEATH SPARK TESTING** 3,0 kV

ATTENUATIONS dB/100 m.

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

MAX. POWER RATING W

		dB	W			dB	W
500	MHz	18,7		1750	MHz	37,8	
600	MHz	20,8		2150	MHz	42,5	
800	MHz	24,0		2250	MHz	43,2	
1000	MHz	27,3		2500	MHz	46,8	
1350	MHz	32,4		2750	MHz	49,0	
1500	MHz	34,2		3000	MHz	52,0	

STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>17	1000 ÷ 2000	MHz	>16
300 ÷ 600	MHz	>17	2000 ÷ 3000	MHz	>14
600 ÷ 1000	MHz	>17	….. ÷ …..	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.

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