



FABBRICA CAVI - ANTENNE - ACCESSORI TV

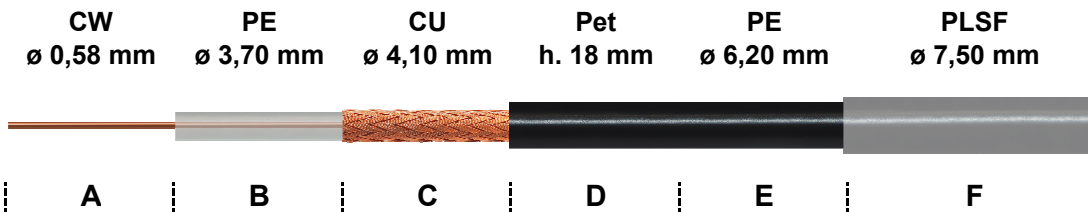


RG 59 G4

75 OHM RF COAXIAL CABLE

UNDERGROUND LAYING - DOUBLE SHEATH INSULATION GRADE 4 - 0,6/1 kV

COMPLIANCE WITH CEI 20-11 CEI 20-22 / II CEI 20-35 I / II IEC 60332 I / II / III STANDARDS



MECHANICAL DATA

A	INNER CONDUCTOR	COPPERWELD	.....	ø 0,58 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	.....	ø 3,70 ± 0,10 mm
C	BRAID	PLAIN COPPER	.....	168 x 0,10 mm
		- COVERAGE	.....	92%
D	NON-MIGRATING	POLYESTER TAPE	.....	h. 18 mm
E	1° SHEATH	CARBON BLACK POLYETHYLENE	.....	ø 6,20 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004		
F	2° SHEATH	FLAME RETARDANT POLYVINYL-CHLORIDE		ø 7,50 ± 0,10 mm
	- INSULATION	GRADE 4 - 0,6 / 1 kV		
	- COLOUR	GREY - RAL 7023		
	- PRINTING			

MINIMUM BENDING RADIUS (mm)

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

TEMPERATURE RANGE -25 °C / +80 °C

CABLE WEIGHT (Kg/Km)

- COPPER	14,7
- PLASTIC	49,1
- TOTAL	64,1

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	75 ± 3 Ohm	RESISTANCE	
		- INNER CONDUCT.	166 Ohm/Km
CAPACITANCE	67 pF/m	- BRAID	13 Ohm/Km
VELOCITY RATIO	66%	TENSION	
		- SHEATH	8,0 kV
		- SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2,3	
10	MHz	3,1	
50	MHz	7,4	
100	MHz	10,7	
200	MHz	15,7	
400	MHz	22,7	

MAX. POWER RATING W

		dB	W
500	MHz	25,7	
600	MHz	28,7	
800	MHz	33,6	
1000	MHz	38,0	
1350	MHz	45,6	
1500	MHz	48,5	

		dB	W
1750	MHz	53,5	
2150	MHz	60,9	
2250	MHz	62,1	
2500	MHz	66,8	
2750	MHz	69,6	
3000	MHz	72,7	

STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>31	1000 ÷ 2000	MHz	>18
300 ÷ 600	MHz	>28	2000 ÷ 3000	MHz	>14
600 ÷ 1000	MHz	>24	..... ÷ .....	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.