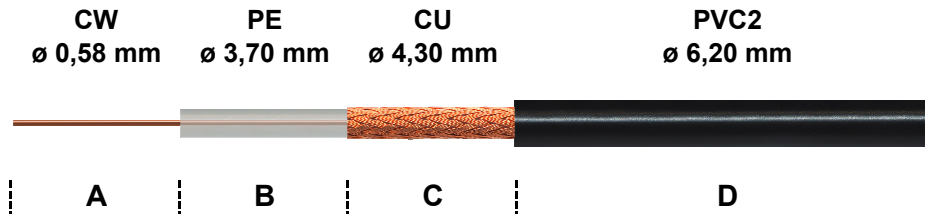


RG 59 BU

75 OHM RF COAXIAL CABLE

MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS

Class CPR **E_{ca}**



MECHANICAL DATA

A	INNER CONDUCTOR	COPPERWELD	∅ 0,58 ± 0,025 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	∅ 3,70 ± 0,10 mm
C	BRAID	PLAIN COPPER	120 x 0,15 mm
	- COVERAGE	95%
D	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	∅ 6,20 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	M17/29-RG59 MIL-C-17F RG 59 BU 75 Ohm	
		MADE IN ITALY CE 56 SETT/YEAR EN 50575:2014 + A1:2016 Eca	

MINIMUM BENDING RADIUS (mm)

- **SINGLE** ∅ EXTERNAL X 5
- **REPEATED** ∅ EXTERNAL X 10

TEMPERATURE RANGE -30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- **COPPER** 22,4
- **PLASTIC** 33,4
- **TOTAL** 55,8

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	75 ± 3 Ohm	RESISTANCE	
		- INNER CONDUCT.	154 Ohm/Km
CAPACITANCE	67 pF/m	- BRAID	9 Ohm/Km
VELOCITY RATIO	66%	TENSION	
		- SHEATH	4,5 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.