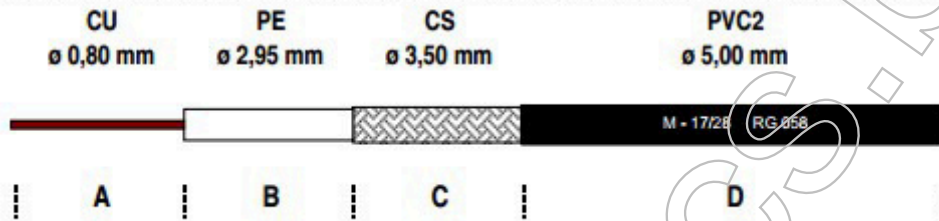


RG 58 U

53,5 OHM RF COAXIAL CABLE
MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS



MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	$\varnothing 0,80 \pm 0,025 \text{ mm}$
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	$\varnothing 2,95 \pm 0,10 \text{ mm}$
C	BRAID	TINNED COPPER - COVERAGE	112 x 0,13 mm 95%
D	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	$\varnothing 5,00 \pm 0,10 \text{ mm}$
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	M - 17/028 RG 58 MIL-C-17F RG 58 U 53,5 OHM	

MINIMUM BENDING RADIUS (mm)

- SINGLE	$\varnothing \text{ EXTERNAL } \times 5$
- REPEATED	$\varnothing \text{ EXTERNAL } \times 10$

TAMPERATURE RANGE

-30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- COPPER	18,7
- PLASTIC	21,2
- TOTAL	39,9

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 53,5 ± 3 Ohm

CAPACITANCE 94 pF/m

VELOCITY RATIO 66%

RESISTANCE

- INNER CONDUCTOR	35 Ohm/Km
- BRAID	14 Ohm/Km

TENSION

- SHEATH SPARK TESTING	4,0 kV
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ATTENUATIONS dB/100 m.

5 MHz	2,6	500 MHz	32,2	1750 MHz	68,2
10 MHz	3,7	600 MHz	35,7	2150 MHz	-
50 MHz	9,1	800 MHz	42,7	2250 MHz	-
100 MHz	13,1	1000 MHz	49,0	2500 MHz	-
200 MHz	19,4	1350 MHz	58,2	2750 MHz	-
300 MHz	23,9	1500 MHz	62,4	3000 MHz	-

STRUCTURAL RETURN LOSS dB

30 ÷ 300 MHz	>26	1000 ÷ 2000 MHz	>21
300 ÷ 600 MHz	>25	2000 ÷ 3000 MHz	>19
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.