



RANGEFUL



RG 213 U

50 OHM RF COAXIAL CABLE

MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS

Class CPR **E_{ca}**

CU	PE	CU	PVC2
7 x 0,75 mm	ø 7,25 mm	ø 8,00 mm	ø 10,3 mm



MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	.....	7 x 0,75 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	.....	ø 7,25 ± 0,18 mm
C	BRAID	PLAIN COPPER	.....	192 x 0,18 mm
		- COVERAGE	.....	97%
D	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	.....	ø 10,3 ± 0,18 mm
	- COLOUR	BLACK - RAL 9004		
	- PRINTING	M17/74-RG213 MIL-C-17F RG 213 U 50 Ohm		
		MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca		

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** 77,4
- **PLASTIC** 86,1
- **TOTAL** 163,5

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 2 Ohm

CAPACITANCE 100 pF/m

VELOCITY RATIO 66%

RESISTANCE

- **INNER CONDUCT.** 6 Ohm/Km
- **BRAID** 4,4 Ohm/Km

TENSION

- **SHEATH** 5,5 kV
- **SPARK TESTING**

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,2	2970
10	MHz	1,8	2100
50	MHz	3,3	1212
100	MHz	4,3	939
200	MHz	8,2	542
400	MHz	10,0	448

MAX. POWER RATING W

		dB	W
500	MHz	14,8	313
600	MHz	16,9	271
800	MHz	20,4	235
1000	MHz	21,6	221
1350	MHz	23,1	210
1500	MHz	30,3	171

		dB	W
1750	MHz	34,2	157
2150	MHz	36,8	148
2250	MHz	42,7	133
2500	MHz	48,9	121
2750	MHz	77,0	87
3000	MHz	84,0	86

STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>28	1000 ÷ 2000	MHz	>25
300 ÷ 600	MHz	>27	2000 ÷ 3000	MHz	>22
600 ÷ 1000	MHz	>26	..... ÷ .....	MHz	>16

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.