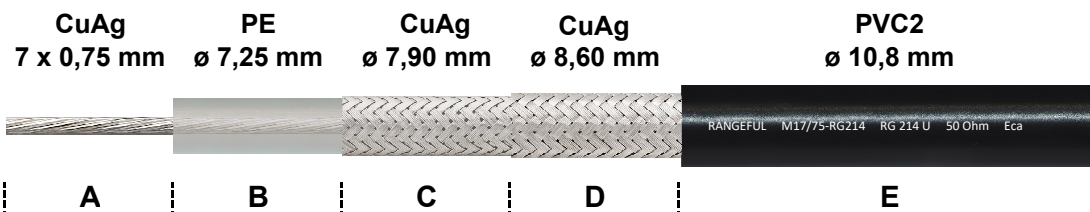


**RANGEFUL**

RG 214 U

DOUBLE SCREENED 50 OHM RF COAXIAL CABLE
MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDSClass CPR **E_{ca}**

MECHANICAL DATA

A	INNER CONDUCTOR	SILVERED COPPER	7 x 0,75 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	ø 7,25 ± 0,18 mm
C	1° BRAID	SILVERED COPPER	144 x 0,16 mm
	- COVERAGE		96%
D	2° BRAID	SILVERED COPPER	168 x 0,16 mm
	- COVERAGE		98%
E	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 10,8 ± 0,18 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	M17/75-RG214 MIL-C-17F RG 214 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** 119,7
- **PLASTIC** 87,6
- **TOTAL** 207,3

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	50 ± 2 Ohm	VOLTAGE	
CAPACITANCE	100 pF/m	- OPERATING	≤ 5 kV
VELOCITY RATIO	66%	TEST (50 Hz / 1 min)	≤ 10 kV
RESISTANCE		TENSION	
- INNER CONDUCT.	6 Ohm/Km	- SHEATH	5,5 kV
- BRAID	4,2 Ohm/Km	SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,3	2828
10	MHz	1,9	2000
30	MHz	3,5	1155
50	MHz	4,5	894
150	MHz	8,5	516
220	MHz	10,5	426

MAX. POWER RATING W

		dB	W
450	MHz	15,4	298
600	MHz	17,8	258
800	MHz	21,3	224
900	MHz	22,7	211
1000	MHz	24,3	200
1500	MHz	31,7	163

		dB	W
1800	MHz	35,7	149
2000	MHz	38,3	141
2500	MHz	44,7	126
3000	MHz	51,3	115
5200	MHz	79,9	88
5800	MHz	87,0	83

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>22	2000 ÷ 3000	MHz	>19
450 ÷ 1000	MHz	>20	3000 ÷ 4000	MHz	>18
1000 ÷ 2000	MHz	>19	4000 ÷ 5800	MHz	>17

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>78
900 ÷ 2000	MHz	-
2000 ÷ 3000	MHz	-

The producer reserves himself to make modification on the item without any notice.