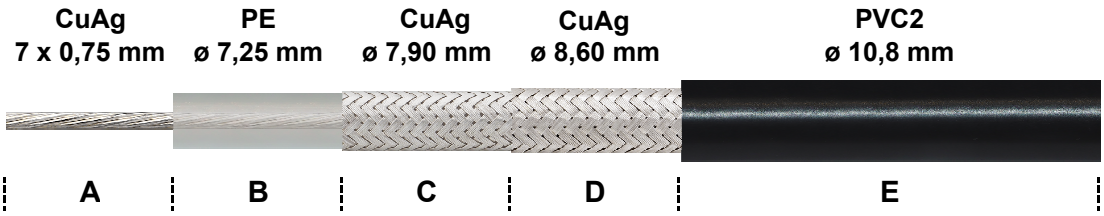
RANGEFUL

RG 214 U

DOUBLE SCREENED 50 OHM RF COAXIAL CABLE
MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS

Class 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)		**CABLE WEIGHT (Kg/Km)**	
- **SINGLE**	ø EXTERNAL X 5	- **COPPER**	119,7
- **REPEATED**	ø EXTERNAL X 10	- **PLASTIC**	87,6
TEMPERATURE RANGE	-30 °C / +70 °C	- **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	100 ÷ 900	MHz	>78
450 ÷ 1000	MHz	>20	3000 ÷ 4000	MHz	>18	900 ÷ 2000	MHz	-
1000 ÷ 2000	MHz	>19	4000 ÷ 5800	MHz	>17	2000 ÷ 3000	MHz	-

SCREENING EFFECTIVENESS dB

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

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