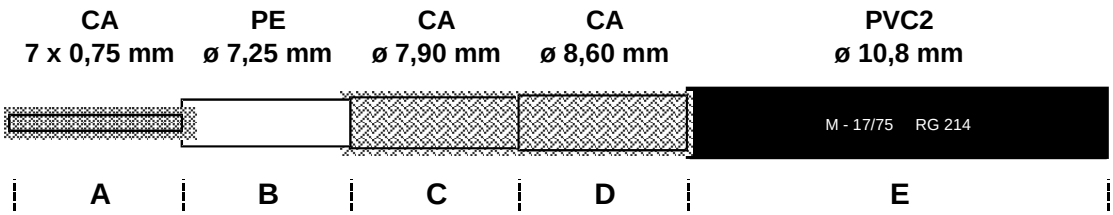
RG 214 U

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



Partnumber : 55010040

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	**M - 17/75 RG 214 MIL-C-17F RG 214 U 50 OHM**	

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** 117,7
- **PLASTIC** 87,6
- **TOTAL** 205,3

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE 50 ± 2 Ohm

CAPACITANCE 100 pF/m

VELOCITY RATIO 66%

RESISTANCE

- **INNER CONDUCT.** 6 Ohm/Km
- **BRAID** 4,2 Ohm/Km

TENSION

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

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,3	
10	MHz	1,9	
50	MHz	4,5	
100	MHz	6,7	
200	MHz	9,9	
400	MHz	14,3	

MAX. POWER RATING W

		dB	W
500	MHz	16,1	
600	MHz	17,8	
800	MHz	21,3	
1000	MHz	24,3	
1350	MHz	29,7	
1500	MHz	31,7	

		dB	W
1750	MHz	35,2	
2150	MHz	40,5	
2250	MHz	41,5	
2500	MHz	44,7	
2750	MHz	47,9	
3000	MHz	51,3	

STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>28	1000 ÷ 2000	MHz	>22
300 ÷ 600	MHz	>26	2000 ÷ 3000	MHz	>20
600 ÷ 1000	MHz	>25	..... ÷	MHz	-

SCREENING EFFECTIVENESS dB

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

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