



■ RG - 8 AU 52 OHM TKG COAX - MANUFACTURED IN COMPLIANCE WITH MIL-C-17F STANDARDS

MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	7 x 0,72 mm
B	DIELECTRIC	LOW DENSITY POLYETHYLENE	ø 7,25 ± 0,18 mm
C	BRAID	PLAIN COPPER	192 x 0,20 mm
		- COVERAGE	98%
D	SHEATH	NON-CONTAMINATING POLYVINYL-CHLORIDE	ø 10,4 ± 0,18 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING		

MINIMUM BENDING RADIUS (mm)

- SINGLE	ø EXTERNAL
X 5 - REPEATED	ø EXTERNAL
TEMPERATURE RANGE	-30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- COPPER	84,3
- PLASTIC	
TOTAL	171,5

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	52 ± 2 Ohm	RESISTANCE	
CAPACITANCE	97 pF/m	- INNER CONDUCT.	6,2 Ohm/Km
VELOCITY RATIO	66%	- BRAID SHEATH	4,4 Ohm/Km
		TENSION	
		- SPARK TESTING	5,5 kV

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,2	
10	MHz	1,8	
50	MHz	4,3	
100	MHz	6,4	
200	MHz	9,5	
400	MHz	13,7	

MAX. POWER RATING W

		dB	W
500	MHz	15,3	
600	MHz	16,9	
800	MHz	20,4	
1000	MHz	23,2	
1350	MHz	28,4	
1500	MHz	30,4	

		dB	W
1750	MHz	33,7	
2150	MHz	38,9	
2250	MHz	39,7	
2500	MHz	42,7	
2750	MHz	45,7	
3000	MHz	48,9	

STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>31	1000 ÷ 2000	MHz	>24
300 ÷ 600	MHz	>28	2000 ÷ 3000	MHz	>22
600 ÷ 1000	MHz	>27 ÷	MHz	-

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>57
900 ÷ 2000	MHz	-
2000 ÷ 3000	MHz	-



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