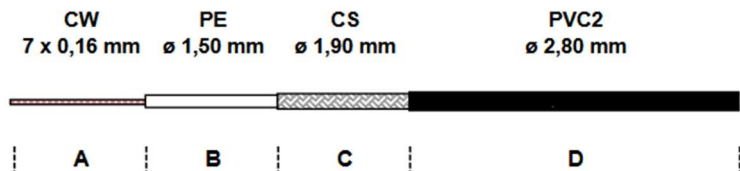


## Specifications

Celcom Kabel RG174 AU

## Photos

Code-Nr.: 174000



## Mechanical properties

<b>A</b>	<b>INNER CONDUCTOR</b>	COPPERWELD .....	CW	7 x 0,16mm
<b>B</b>	<b>DIELECTRIC</b>	LOW DENSITY POLYETHYLENE .....	PE	ø 1,50 mm ± 0,08 mm
<b>C</b>	<b>OUTER CONDUCTOR</b>	TINNED COPPER .....	CS	64 x 0,10mm
		- COVERAGE .....		88%
<b>D</b>	<b>SHEATH</b>	NON-CONTAMINATING POLYVINYL-CHLORIDE .....	PVC2	ø 2,80 ± 0,13 mm
	- COLOUR	BLACK - RAL 9004		
	- PRINTING	##METER## CELCOM RG174 AU MIL-C-17		

### MINIMUM BENDING RADIUS (mm)

- SINGLE	ø EXTERNAL x 5
- REPEATED	ø EXTERNAL x 10
<b>TEMPERATURE RANGE</b>	-30°C / +70°C

### CABLE WEIGHT (Kg/Km)

- COPPER	5,9
- PLASTIC	6,6
- TOTAL	12,5

## Electrical properties

<b>IMPEDANCE</b>	50 ± 2 Ohm
<b>CAPACITANCE</b>	100 pF/m
<b>VELOCITY RATIO</b>	66 %

<b>RESISTANCE</b>	
- INNER CONDUCT.	282 Ohm/Km
- BRAID	39 Ohm/Km

<b>TENSION</b>	
- SHEATH	2,0 kV
<b>SPARK TESTING</b>	

### ATTENUATIONS dB/100 m.

		<b>dB</b>	<b>W</b>
5	MHz	7,4	226
10	MHz	9,5	160
30	MHz	13,3	92
50	MHz	17,5	72
150	MHz	33,0	41
220	MHz	40,3	34

### MAX. POWER RATING W

		<b>dB</b>	<b>W</b>
450	MHz	58,7	24
600	MHz	68,6	21
800	MHz	77,0	18
900	MHz	82,8	17
1000	MHz	87,5	16
1500	MHz	122,5	13

		<b>dB</b>	<b>W</b>
1800	MHz	135,0	12
2000	MHz	145,0	11
2500	MHz	165,5	10
3000	MHz	184,5	9
5200	MHz	267,5	7
5800	MHz	292,0	7

### STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>27
450 ÷ 1000	MHz	>26
1000 ÷ 2000	MHz	>23

2000 ÷ 3000	MHz	>17
3000 ÷ 4000	MHz	>17
4000 ÷ 5800	MHz	>16

### SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>52
900 ÷ 2000	MHz	
2000 ÷ 3000	MHz	