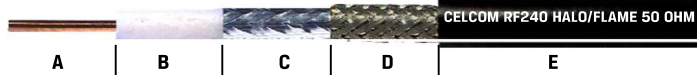


**Specifications** **Celcom Rohkabel RF 240**

**Photos** **Code-Nr.: 240000**



**Mechanical properties**

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER .....	∅ 1,40 mm
<b>B</b>	<b>DIELECTRIC</b>	FOAM POLYETHYLENE .....	∅ 3,80 mm ± 0,10 mm
<b>C</b>	<b>SHIELD</b>	ALL + PET + ALL ADHESIVE TAPE .....	h. 15 mm
		- COVERAGE .....	100%
<b>D</b>	<b>BRAID</b>	TINNED COPPER .....	112 x 0,12mm
		- COVERAGE .....	80%
<b>E</b>	<b>SHEATH</b>	FLAME RETARDANT NON-CORROSIVE	
		THERMOPLASTIC FREE OF HALOGENS .....	∅ 6,10 ± 0,10 mm
	- COLOUR	BLACK – RAL 9004	
	- PRINTING	<b>##METER## CELCOM RF240 HALO/FLAME 50 OHM</b>	

**MINIMUM BENDING RADIUS (mm)**

- SINGLE	∅ EXTERNAL x 5
- REPEATED	∅ EXTERNAL x 10
<b>TEMPERATURE RANGE</b>	-40°C / +80°C

**CABLE WEIGHT (Kg/Km)**

- COPPER	25,9
- PLASTIC	26,0
- TOTAL	53,7

**Electrical properties**

<b>IMPEDANCE</b>	50 ± 3 Ohm
<b>CAPACITANCE</b>	80 pF/m
<b>VELOCITY RATIO</b>	84 %

<b>RESISTANCE</b>	
- INNER CONDUCT.	11,5 Ohm/Km
- BRAID	16,2 Ohm/Km

<b>TENSION</b>	
- SHEATH	4,5 kV
<b>SPARK TESTING</b>	

**ATTENUATIONS dB/100 m.**

		<b>dB</b>	<b>W</b>
5	MHz	1,9	3536
10	MHz	2,7	2500
30	MHz	4,4	1443
50	MHz	5,6	1118
150	MHz	9,5	645
220	MHz	11,7	533

**MAX. POWER RATING W**

		<b>dB</b>	<b>W</b>
450	MHz	17,4	373
600	MHz	20,2	323
800	MHz	23,5	280
900	MHz	24,7	264
1000	MHz	26,4	250
1500	MHz	32,9	204

		<b>dB</b>	<b>W</b>
1800	MHz	36,4	186
2000	MHz	39,1	177
2500	MHz	43,8	158
3000	MHz	48,6	144
5200	MHz	67,4	110
5800	MHz	71,8	104

**STRUCTURAL RETURN LOSS dB**

30 ÷ 450	MHz	>25
450 ÷ 1000	MHz	>20
100 ÷ 2000	MHz	>17

2000 ÷ 3000	MHz	>16
3000 ÷ 4000	MHz	>15
4000 ÷ 5800	MHz	>11

**SCREENING EFFECTIVENESS dB**

100 ÷ 900	MHz	>95
900 ÷ 2000	MHz	>85
2000 ÷ 3000	MHz	>75