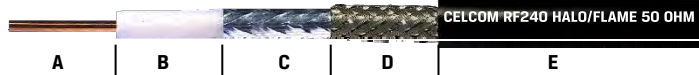


Specifications **Celcom Rohkabel RF 240**

Photos **Code-Nr.: 240000**



Mechanical properties

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

MINIMUM BENDING RADIUS (mm)

- SINGLE	ø EXTERNAL x 5
- REPEATED	ø EXTERNAL x 10
TEMPERATURE RANGE	-40°C / +80°C

CABLE WEIGHT (Kg/Km)

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

Electrical properties

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

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

TENSION	
- SHEATH	4,5 kV
SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
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

		dB	W
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

		dB	W
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