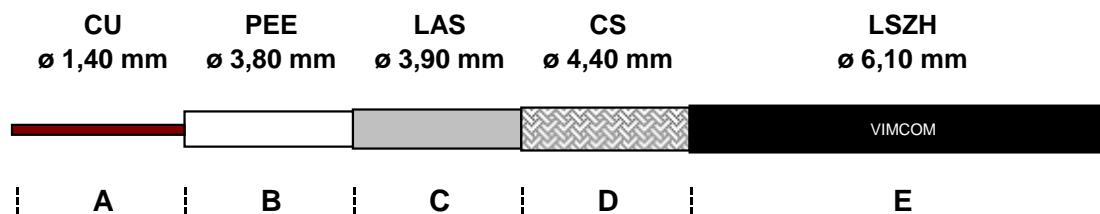


## RF 240 HALO/FLAME

### DOUBLE SCREENED 50 OHM RF COAXIAL CABLE



### MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER	$\varnothing$ 1,40 mm
<b>B</b>	<b>DIELECTRIC</b>	FOAM POLYETHYLENE	$\varnothing$ 3,80 $\pm$ 0,10 mm
<b>C</b>	<b>SHIELD</b>	ALUMINIUM + POLYESTER + ALUMINIUM ADHESIVE	h. 15 mm
	- COVERAGE		100%
<b>D</b>	<b>BRAID</b>	TINNED COPPER	112 x 0,12 mm
	- COVERAGE		80%
<b>E</b>	<b>SHEATH</b>	NON-CORROSIVE THERMOPLASTIC FREE OF HALOGEN	$\varnothing$ 6,10 $\pm$ 0,10 mm
	- COLOUR	<b>BLACK - RAL 9004</b>	
	- PRINTING	<b>VIMCEL RF 240 HALO/FLAME</b>	

#### MINIMUM BENDING RADIUS ( mm )

- SINGLE	$\varnothing$ EXTERNAL X 5
- REPEATED	$\varnothing$ EXTERNAL X 10

#### TAMPERATURE RANGE

-30 °C / +70 °C

#### CABLE WEIGHT ( Kg/Km )

- COPPER	25.9
- PLASTIC	26.1
- TOTAL	53.8

### ELECTRICAL PROPERTIES at 20°C

**IMPEDANCE** 50  $\pm$  3 Ohm

**CAPACITANCE** 80 pF/m

**VELOCITY RATIO** 84%

#### RESISTANCE

- INNER CONDUCTOR	11,5 Ohm/Km
- BRAID	14,5 Ohm/Km

#### TENSION

- SHEATH SPARK TESTING	4,0 kV
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#### ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1.9	
10	MHz	2.5	
50	MHz	5.7	
100	MHz	7.8	
200	MHz	11.1	
300	MHz	13.8	

#### MAX. POWER RATING W

		dB	W
400	MHz	16.2	
600	MHz	20.0	
800	MHz	23.5	
1000	MHz	26.0	
1350	MHz	31.4	
1500	MHz	32.9	

		dB	W
1750	MHz	36.0	
2150	MHz	40.4	
2250	MHz	40.8	
2500	MHz	43.7	
2750	MHz	45.9	
3000	MHz	49.9	

#### STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>28	1000 ÷ 2000	MHz	>16
300 ÷ 600	MHz	>24	2000 ÷ 3000	MHz	>15
600 ÷ 1000	MHz	>19	$\varnothing$ .. ÷ $\varnothing$ ..	MHz	-

#### SCREENING EFFECTIVENESS dB

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

The producer reserves himself to make modification on the item without any notice.