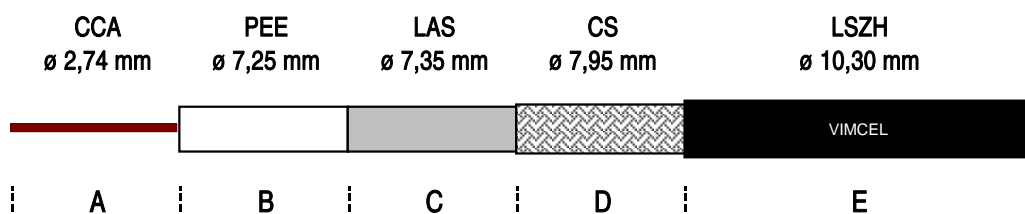


# RF 400 HALO/FLAME

## DOUBLE SCREENED 50 OHM RF COAXIAL CABLE



### MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER CLAD ALUMINIUM .....	ø 2,74 mm
B	DIELECTRIC	GAS INJECTED FOAM POLYETHYLENE.....	ø 7,25 ± 0,18 mm
C	SHIELD	ALL + PET + ALL ADHESIVE TAPE - COVERAGE .....	h. 27 mm 100%
D	BRAID	TINNED COPPER .....	192 x 0,15 mm
		- COVERAGE .....	90%
E	SHEATH	NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	ø 10,30 ± 0,18 mm
	- COLOUR	<b>BLACK - RAL 9004</b>	
	- PRINTING	<b>VIMCEL RF 400 HALO/FLAME</b>	

#### MINIMUM BENDING RADIUS ( mm )

- SINGLE	ø EXTERNAL X 5
- REPEATED	ø EXTERNAL X 10

#### CABLE WEIGHT ( Kg/Km )

- COPPER	56.0
- PLASTIC	67.3
- TOTAL	126.6

TEMPERATURE RANGE                      -30 °C / +70 °C

### ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	50 ± 3 Ohm	RESISTANCE	
		- INNER CONDUCTOR	4,7 Ohm/Km
CAPACITANCE	80 pF/m	- BRAID	5,0 Ohm/Km
VELOCITY RATIO	84%	TENSION	
		- SHEATH	6,0 kV
		- SPARK TESTING	

#### ATTENUATIONS dB/100 m.

		dB	W
5	MHz	0.9	
10	MHz	1.2	
50	MHz	2.5	
100	MHz	3.6	
200	MHz	5.3	
400	MHz	7.9	

#### MAX. POWER RATING W

		dB	W
500	MHz	9.0	
600	MHz	10.0	
800	MHz	11.7	
1000	MHz	13.2	
1350	MHz	15.8	
1500	MHz	16.6	

		dB	W
1750	MHz	18.7	
2150	MHz	20.6	
2250	MHz	21.2	
2500	MHz	22.6	
2750	MHz	23.8	
3000	MHz	25.1	

#### STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>29
300 ÷ 600	MHz	>26
600 ÷ 1000	MHz	>24

1000 ÷ 2000	MHz	>19
2000 ÷ 3000	MHz	>18
..... ÷ .....	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.