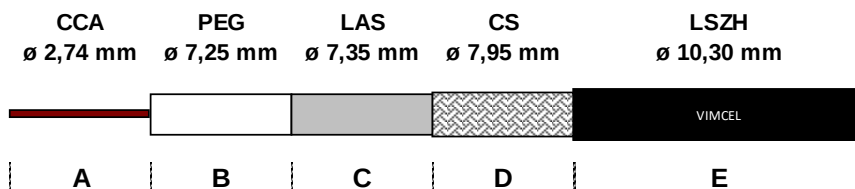


RF 400 HALO/FLAME

DOUBLE SCREENED 50 OHM RF COAXIAL CABLE

In Accordance to: IEC 60754-1 IEC 60754-2 IEC 61034-2



MECHANICAL DATA

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

MINIMUM BENDING RADIUS (mm)

- **SINGLE** $\varnothing \text{ EXTERNAL X } 5$
- **REPEATED** $\varnothing \text{ EXTERNAL X } 10$

TEMPERATURE RANGE $-30 \text{ }^{\circ}\text{C} / +70 \text{ }^{\circ}\text{C}$

CABLE WEIGHT (Kg/Km)

- **COPPER** 56.0
- **PLASTIC** 63.9
- **TOTAL** 123.2

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	$50 \pm 1,5 \text{ Ohm}$	RESISTANCE	
		- INNER CONDUCTOR	4,7 Ohm/Km
CAPACITANCE	80 pF/m	- BRAID	5,0 Ohm/Km
		TENSION	
VELOCITY RATIO	84%	- SHEATH	6,0 kV
		- SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1.0	8202
10	MHz	1.3	5800
30	MHz	2.1	3349
50	MHz	2.8	2594
150	MHz	4.7	1498
220	MHz	5.7	1237

MAX. POWER RATING W

		dB	W
400	MHz	7.9	865
600	MHz	9.8	749
800	MHz	11.4	648
900	MHz	12.1	611
1000	MHz	12.8	580
1500	MHz	16.0	474

		dB	W
1800	MHz	17.7	432
2000	MHz	18.9	410
2500	MHz	21.1	367
3000	MHz	23.4	335
5200	MHz	32.7	254
5800	MHz	34.7	241

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>27	2000 ÷ 3000	MHz	>22
450 ÷ 1000	MHz	>26	3000 ÷ 4000	MHz	>21
1000 ÷ 2000	MHz	>23	4000 ÷ 5800	MHz	>20

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.

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