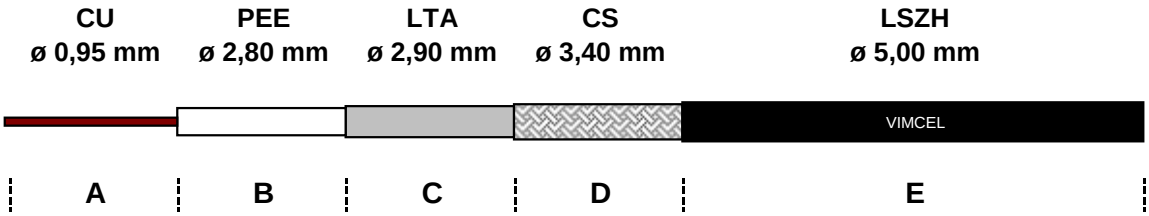
RF 195 HALO/FLAME

DOUBLE SCREENED 50 OHM RF COAXIAL CABLE



MECHANICAL DATA

A	**INNER CONDUCTOR**	PLAIN COPPER	**ø 0,95 mm**
B	**DIELECTRIC**	FOAM POLYETHYLENE	**ø 2,80 ± 0,10 mm**
C	**SHIELD**	ALUMINIUM + POLYESTER + ALUMINIUM TAPE	**h. 12 mm**
	- COVERAGE		**100%**
D	**BRAID**	TINNED COPPER	**128 x 0,12 mm**
	- COVERAGE		**96%**
E	**SHEATH**	NON-CORROSIVE THERMOPLASTIC FREE OF	**ø 5,00 ± 0,10 mm**
	- COLOUR	**BLACK - RAL 9004**	
	- PRINTING	**VIMCEL RF 195 HALO/FLAME**	

MINIMUM BENDING RADIUS (mm)		**CABLE WEIGHT (Kg/Km)**	
- **SINGLE**	ø EXTERNAL X 5	- **COPPER**	19.9
- **REPEATED**	ø EXTERNAL X 10	- **PLASTIC**	19.0
TEMPERATURE RANGE	-30 / +70 °C	- **TOTAL**	39.9

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	50 ± 3 Ohm	**RESISTANCE**	
		- **INNER CONDUCTOR**	25,2 Ohm/Km
CAPACITANCE	80 pF/m	- **BRAID**	16,0 Ohm/Km
		TENSION	
VELOCITY RATIO	80%	- **SHEATH**	4,0 kV
		SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2.8	
10	MHz	3.9	
50	MHz	8.5	
100	MHz	11.3	
200	MHz	15.8	
300	MHz	19.6	

MAX. POWER RATING W

		dB	W
400	MHz	22.9	
600	MHz	28.7	
800	MHz	33.2	
1000	MHz	37.5	
1350	MHz	44.1	
1500	MHz	48.2	

		dB	W
1750	MHz	52.2	
2150	MHz	58.9	
2250	MHz	60.1	
2500	MHz	65.6	
2750	MHz	68.4	
3000	MHz	73.4	

STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>28	1000 ÷ 2000	MHz	>16	100 ÷ 900	MHz	>85
300 ÷ 600	MHz	>24	2000 ÷ 3000	MHz	>15	900 ÷ 2000	MHz	>75
600 ÷ 1000	MHz	>19	é .. ÷ é ..	MHz	-	2000 ÷ 3000	MHz	>65

SCREENING EFFECTIVENESS dB

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