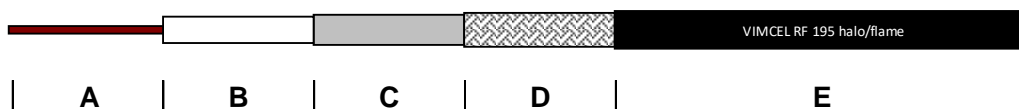


## RF 195 HALO/FLAME

DOUBLE SCREENED 50 OHM RF COAXIAL CABLE

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

CU ø 0,95 mm	PEG ø 2,80 mm	LAS ø 2,90 mm	CS ø 3,30 mm	LSZH ø 5,00 mm
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### MECHANICAL DATA

<b>A</b>	<b>INNER CONDUCTOR</b>	PLAIN COPPER	ø 0,95 mm
<b>B</b>	<b>DIELECTRIC</b>	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 2,80 ± 0,10 mm
<b>C</b>	<b>SHIELD</b>	ALL + PET + ALL ADHESIVE TAPE	h. 12 mm
		- COVERAGE	100%
<b>D</b>	<b>BRAID</b>	TINNED COPPER	144 x 0,10 mm
		- COVERAGE	94%
<b>E</b>	<b>SHEATH</b>	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	ø 5,00 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	VIMCEL RF 195 HALO/FLAME	

#### MINIMUM BENDING RADIUS ( mm )

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

#### CABLE WEIGHT ( Kg/Km )

- COPPER	16.9
- PLASTIC	20.2
- TOTAL	38.6

TEMPERATURE RANGE -30 / +70 °C

### ELECTRICAL PROPERTIES at 20°C

<b>IMPEDANCE @200 MHz</b>	50 ± 1,5 Ohm	<b>RESISTANCE</b>	
		- INNER CONDUCTOR	25,2 Ohm/Km
<b>CAPACITANCE</b>	84 pF/m	- BRAID	11,9 Ohm/Km
<b>VELOCITY RATIO</b>	80%	<b>TENSION</b>	
		- SHEATH	4,5 kV
		- SPARK TESTING	

#### ATTENUATIONS dB/100 m.

		dB	W
5	MHz	2.7	1980
10	MHz	3.6	1400
30	MHz	6.0	808
50	MHz	7.7	626
150	MHz	12.5	361
220	MHz	15.2	298

#### MAX. POWER RATING W

		dB	W
400	MHz	20.8	209
600	MHz	26.0	181
800	MHz	30.3	157
900	MHz	32.2	151
1000	MHz	34.4	140
1500	MHz	43.1	114

		dB	W
1800	MHz	47.6	104
2000	MHz	50.6	99
2500	MHz	56.7	89
3000	MHz	62.4	81
5200	MHz	85.9	61
5800	MHz	91.4	58

#### STRUCTURAL RETURN LOSS dB

30 ÷ 450 MHz	>25	2000 ÷ 3000 MHz	>19
450 ÷ 1000 MHz	>23	3000 ÷ 4000 MHz	>16
1000 ÷ 2000 MHz	>22	4000 ÷ 5800 MHz	>13

#### SCREENING EFFECTIVENESS dB

100 ÷ 900 MHz	>90
900 ÷ 2000 MHz	>80
2000 ÷ 3000 MHz	>70

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