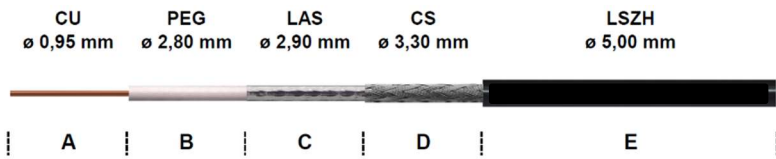


Specifications **Celcom Halo/Flame HF 195**

Photos **Code-Nr.: 195000**



Mechanical properties

A	INNER CONDUCTOR	PLAIN COPPER	CCA	ø 0,95 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	PEG	ø 2,80 mm ± 0,10 mm
C	SHIELD	ALL+ PET + ALL ADHESIVE TAPE		h. 12 mm
		- COVERAGE	LAS	100%
D	BRAID	TINNED COPPER	CS	144 x 0,10 mm
		- COVERAGE		94%
E	SHEATH	FLAME RETARDANT NON-CORROSIVE	LSZH	ø 5,00 ± 0,10 mm
		THERMOPLASTIC FREE OF HALOGENS		
	- COLOUR	BLACK – RAL 9004		
	- PRINTING	CELCOM HF195 HALO/FLAME 50 OHM		

MINIMUM BENDING RADIUS (mm)

- SINGLE	ø EXTERNAL x 5
- REPEATED	ø EXTERNAL x 10
TEMPERATURE RANGE	-30°C / +70°C

CABLE WEIGHT (Kg/Km)

- COPPER	16,9
- PLASTIC	20,2
- TOTAL	38,6

Electrical properties

IMPEDANCE	50 ± 1,5 Ohm	RESISTANCE	
CAPACITANCE	84 pF/m	- INNER CONDUCT.	25,2 Ohm/Km
VELOCITY RATIO	80 %	- BRAID	11,9 Ohm/Km
		TENSION	
		- 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
450	MHz	22,2	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
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
450 ÷ 1000	MHz	>23
1000 ÷ 2000	MHz	>22

2000 ÷ 3000	MHz	>19
3000 ÷ 4000	MHz	>16
4000 ÷ 5800	MHz	>13

SCREENING EFFECTIVENESS dB

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