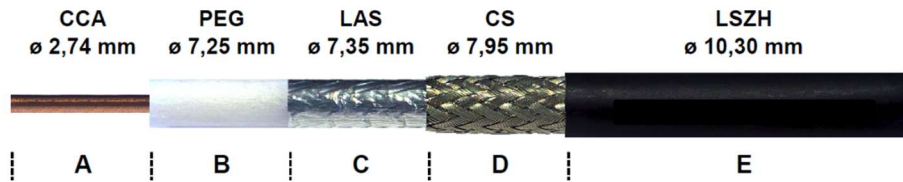


Specifications	Celcom HF400 Halo/Flame
Photos	Code-Nr.: 400000



Mechanical properties

A	INNER CONDUCTOR	PLAIN COPPER CLAD ALUMINIUM	CCA	ø 2,74 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	PEG	ø 7,25 mm ± 0,18 mm
C	SHIELD	ALL+ PET + ALL ADHESIVE TAPE		h. 27 mm
		- COVERAGE	LAS	100%
D	BRAID	TINNED COPPER	CS	192 x 0,15mm
		- COVERAGE		90%
E	SHEATH	FLAME RETARDANT NON-CORROSIVE	LSZH	ø 10,30 ± 0,18 mm
		THERMOPLASTIC FREE OF HALOGENS		
	- COLOUR	BLACK - RAL 9004		
	- PRINTING	##METER## CELCOM HF400 HALO/FLAME 50 OHM		

MINIMUM BENDING RADIUS (mm)

- SINGLE	ø EXTERNAL x 5
- REPEATED	ø EXTERNAL x 10
TEMPERATURE RANGE	-40°C / +80°C

CABLE WEIGHT (Kg/Km)

- COPPER	56,0
- PLASTIC	63,9
- TOTAL	123,2

Electrical properties

IMPEDANCE	50 ± 1,5 Ohm	RESISTANCE	
CAPACITANCE	80 pF/m	- INNER CONDUCT.	4,7 Ohm/Km
VELOCITY RATIO	84 %	- BRAID	5,0 Ohm/Km
		TENSION	
		- 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
450	MHz	8,4	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
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
450 ÷ 1000	MHz	>26
1000 ÷ 2000	MHz	>23

SCREENING EFFECTIVENESS dB

2000 ÷ 3000	MHz	>22
3000 ÷ 4000	MHz	>21
4000 ÷ 5800	MHz	>20
100 ÷ 900	MHz	>95
900 ÷ 2000	MHz	>85
2000 ÷ 3000	MHz	>75