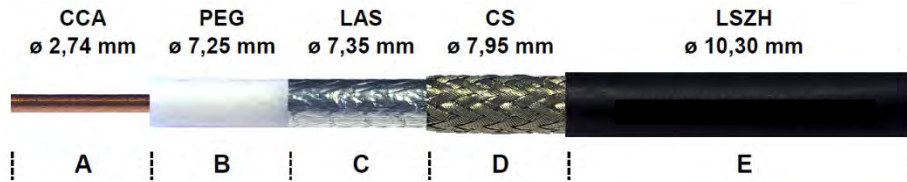


Specifications

Celcom RF400 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 RF400 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
CAPACITANCE	80 pF/m
VELOCITY RATIO	84 %

RESISTANCE	
- INNER CONDUCT.	4,7 Ohm/Km
- 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

		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
450 ÷ 1000	MHz	>26
1000 ÷ 2000	MHz	>23

2000 ÷ 3000	MHz	>22
3000 ÷ 4000	MHz	>21
4000 ÷ 5800	MHz	>20

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>95
900 ÷ 2000	MHz	>85
2000 ÷ 3000	MHz	>75