





COAX 50 OHM

CONSTRUCTION AND ELECTRICAL DATA	HF09_2.6		RG8 FOAM		FLEXY 10.0		EU 500		EU 1000	
	Dim.	Cod. 1769	Dim.	Cod. 1695	Dim.	Cod. 1582	Dim.	Cod. 1770	Dim.	Cod. 1771
Inner conductor	7x0,30 mm Cu		19x0,30mm CuSn		7x1,04mm Cu		2,5 mm Cu		2,62 mm Cu	
Dielectric	2,6 mm Pee		4,0 mm Pee		7,2 mm Pee		7,0 mm Pee		7,2 mm Pee	
Screen	Tape	Al/Pet/Al			Cu/Pet		Cu/Pet		Cu/Pet	
	Braid	78% CuSn	95% CuSn		72 % Cu		95 % Cu		90 % Cu	
	Tape									
Outer sheath	5,0 mm PVC		6,15 mm PVC		10,25 mm PVC		10,0 mm PVC		10,3 mm PVC	
Copper content	kg/km 15,6		kg/km 30,2		kg/km 80,0		kg/km 88,5		kg/km 88,7	
Cable weight	kg/km 36,0		kg/km 55,6		kg/km 145,0		kg/km 145,0		kg/km 149,0	
Min. bend. radius (single / multiple)	mm 25/50		mm 35/60		mm 200		mm 200		mm 200	
Max. tensile strength	N 80		N 100		N 600		N 600		N 600	
Impedance [Ω]	50 ± 3		50 ± 3		50 ± 3		50 ± 3		50 ± 3	
Capacitance [pF/m]	85 ± 2		81 ± 2		78 ± 2		82 ± 2		81 ± 2	
Velocity ratio [%]	81		85		85		85		85	
DC resistance (inner / outer) [Ω/km]	36 / 14,5		13 / 10		3,3 / 7,5		3,8 / 5,3		3,3 / 5,0	
Voltage insulation sheath [kV]	3		3		5		5		5	

ATTENUATION (20°C)

Frequency [MHz]	dB/100m	dB/100m	dB/100m	dB/100m	dB/100m
50	8,3	7,0	0,8	0,9	0,8
200	17,0	14,6	2,8	2,9	2,8
300	24,6	18,4	5,8	6,0	5,7
470	28,0	23,5	9,0	9,3	9,1
862	36,5	33,0	12,6	13,1	12,9
1000	48,2	36,0	14,2	14,6	14,0
1750	---	---	19,6	20,3	19,5
2400	---	---	23,6	24,6	23,6

STRUCTURAL RETURN LOSS (SRL)

Frequency [MHz]	dB	dB	dB	dB	dB
30 – 300	> 26	> 26	> 26	> 26	> 26
300 – 600	> 18	> 18	> 18	> 25	> 25
600 – 1000	> 16	> 16	> 16	> 18	> 18

SCREENING EFFICIENCY

Frequency [MHz]	Transfer Imp [Ti]	mΩ/m	mΩ/m	mΩ/m	mΩ/m
5 - 30		< 5	---	< 5	< 2,5
Frequency [MHz]	Screening Att. [As]	dB	dB	dB	dB
30 – 1000		> 85	> 55	> 85	> 100
1000 – 2000		---	---	> 90	> 110
2000 – 3000		---	---	> 80	> 95

REFERENCE STANDARDS

Cu = Copper; PE= Solid Polyethylene; CuSn = Tinned Copper; FeCu = Copper Claded Steel; PVC = Poly-Vinyl-Chloride; Pee = Foamed PE; Cu/Pet = Copper / Polyester Tape; Al/Pet/Al = Aluminium/Polyester/Alluminium Tape