

Rev:A00

AL cable



Material and Size

Items		1.2mm AL cable	2.2mm AL cable
Model		CASG01899A310	CASG01899A311
1-Center conductor	D/mm	0.3	0.54
	Material	AL	
2-Dielectric	D/mm	0.94	1.53
	Material	PTFE	
3-Outer conductor	D/mm	1.19	2.05
	Material	AL	

Technical requirements

Item	1.2mm AL cable	2.2mm AL cable
Model	CASG01899A310	CASG01899A311
Impedance	50Ω	
Frequency range	40GHz	
Attenuation	See datasheet	
Transmission rate	77%	81%
Shielding efficiency	120dB	165dB
Insulation resistance	≥5000MΩ·km	
Dielectrics voltage resistance	≤500Vrms	≤1500Vrms
Bending radius, static	3.20mm	6.00mm
Temperature	10mK~300K	

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Datasheet

Items		1.2mm AL cable	2.2mm AL cable
Model		CASG01899A310	CASG01899A311
Attenuation (dB/m)@300K	1GHz	1.65	1.13
	6GHz	4.15	2.81
	10GHz	5.10	3.65
	18GHz	7.00	4.95
Attenuation (dB/m)@1.1K	1GHz	0.5	0.17
	6GHz	1.0	0.42
	10GHz	1.0	0.55
	18GHz	2.0	0.74