

Rev:A00

Cu-Ni Cable



Material and Size

Item		0.5mm Cu-Ni Cable	0.86mm Cu-Ni Cable	1.2mm Cu-Ni Cable
1-Center conductor	D/mm	0.127	0.203	0.30
	Material	Silver plated Cu-Ni alloy		
2-Dielectric	D/mm	0.432	0.61	0.95
	Material	PTFE		
3-Outer conductor	D/mm	0.580	0.86	1.20
	Material	Cu-Ni alloy		

Technical requirements

Item	0.5mm Cu-Ni Cable	0.86mm Cu-Ni Cable	1.2mm Cu-Ni Cable
Model	CASG01899A382	CASG01899A140	CASG01899A692
Impedance	50Ω		
Frequency range	DC-40GHz	DC-40GHz	DC-40GHz
Attenuation	See Datasheet		
Transmission rate	70%	75%	70%
Dielectrics voltage resistance	≤100Vrms	≤250Vrms	≤500Vrms
Insulation resistance	≥5000MΩ		
Shielding efficiency	≥120dB @ 1GHz		
Temperature	10mK~300K		
Bending radius, static	2.90mm	3.4mm	4.20mm

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Datasheet

Item	Frequency	0.5mm Cu-Ni Cable	0.86mm Cu-Ni Cable	1.2mm Cu-Ni Cable
Attenuation (dB/m)@300K	1GHz	5.6	3.2	2.5
	5GHz	8.9	6.8	5.6
	10GHz	17.8	9.7	7.3
	18GHz	23.9	14.0	10.0