

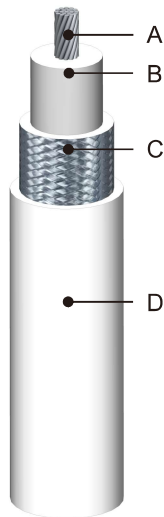
Mini Coax Cables

With Braided Shield

26.5 GHz | 70% VP

LINCOS designs and manufactures mini coax cables to support challenging installations and meet the electrical performance requirements of digital communication systems. LINCOS offers a wide range of mini coax cables in standard configurations, as well as customized and optimized to meet customer requirements. Optimized mini coax cables can replace standard RG coaxial cables, while providing lower attenuation, lighter weight, and smaller diameters. The cables are available in sizes ranging from 30AWG to 38AWG, with braided and serve shields. Braid shield cable is commonly used in applications requiring high shielding performance, such as communications, medical, aerospace, etc. due to its good shielding effect and bending adaptability. Serve shield cable is characterized by a smaller finished outside diameter and softer wire.

Figure 10: Cable Construction



Cable Construction

Item	Construction	Material
A	Conductor	Strand SPC
B	Dielectric	High purity FEP
C	Shield	SPC Braid
D	Jacket	FEP

Figure 11: Microwave Coax Cables



Features and Benefits

- Cost effective
- Compact size
- High signal integrity
- High speed signal transmission
- Easy to integrate
- Easy to repair and replace
- Wide range of applications

Typical Applications

- Audio transmission
- Automotive electronics
- Precision instrument connection
- Communication system
- Medical equipment
- Aerospace field
- Automatic control system

Standards Compliance

- MIL-C-17

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Mini Coax Cables					
Physical and Mechanical Properties					
P/N	16707030	16707032	16707034	16707036	16707038
Conductor(mm)	0.30(7/38)	0.24(7/40)	0.189(7/42)	0.15(7/44)	0.12(7/46)
Dielectric(mm)	0.88	0.71	0.54	0.44	0.34
Shield(mm)	1.15	0.96	0.75	0.56	0.46
Jacket(mm)	1.38	1.20	0.95	0.70	0.60
Weight(g/m)	5.00	3.50	2.20	1.50	1.00
Electrical Parameters					
Impedance(Ω)	50	50	50	50	50
Delay(ns/m)	4.7	4.7	4.7	4.7	4.7
Capacitance(pF/m)	98	98	98	98	98
Frequency(GHz)	26.5	26.5	26.5	26.5	26.5
Operating Temperature($^{\circ}\text{C}$)	-25~125	-25~125	-25~125	-25~125	-25~125
Frequency(GHz)	Typical Attenuation(dB/m) (+25 $^{\circ}\text{C}$ Environment; Sea level)				
2.5	2.31	2.85	3.53	4.39	5.47
5.0	3.40	4.16	5.12	6.34	7.87
10.0	5.06	6.14	7.50	9.22	11.38
18.0	7.19	8.64	10.46	12.77	15.67
26.5	9.13	10.89	13.10	15.90	19.42

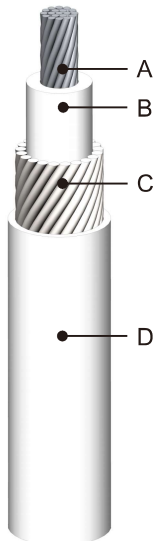
If you need more information or customized products based on actual applications, please contact us.

Mini Coax Cables

With Serve Shield
10 GHz | 70% VP

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Figure 12: Cable Construction



Cable Construction

Item	Construction	Material
A	Conductor	Strand SPC
B	Dielectric	High purity FEP
C	Shield	SPC Serve
D	Jacket	FEP

Figure 13: Microwave Coax Cables



Features and Benefits

- Cost effective
- Compact size
- High signal integrity
- High speed signal transmission
- Easy to integrate
- Easy to repair and replace
- Wide range of applications

Typical Applications

- Audio transmission
- Automotive electronics
- Precision instrument connection
- Communication system
- Medical equipment
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- Automatic control system

Standards Compliance

- MIL-C-17

Mini Coax Cables

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Physical and Mechanical Properties					
P/N	16707030	16707032	16707034	16707036	16707038
Conductor(mm)	0.30(7/38)	0.24(7/40)	0.189(7/42)	0.15(7/44)	0.12(7/46)
Dielectric(mm)	0.88	0.71	0.54	0.44	0.34
Shield(mm)	1.01	0.84	0.64	0.50	0.40
Jacket(mm)	1.25	1.05	0.85	0.65	0.55
Weight(g/m)	3.70	2.50	1.75	1.00	0.75
Electrical Parameters					
Impedance(Ω)	50	50	50	50	50
Delay(ns/m)	4.7	4.7	4.7	4.7	4.7
Capacitance(pF/m)	98	98	98	98	98
Frequency(GHz)	26.5	26.5	26.5	26.5	26.5
Operating Temperature($^{\circ}\text{C}$)	-25~125	-25~125	-25~125	-25~125	-25~125
Frequency(GHz)	Typical Attenuation(dB/m) (+25 $^{\circ}\text{C}$ Environment; Sea level)				
2.5	2.43	3.00	3.72	4.62	5.76
5.0	3.58	4.38	5.39	6.67	8.28
10.0	5.33	6.46	7.89	9.70	11.98

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