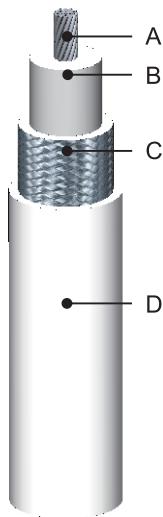
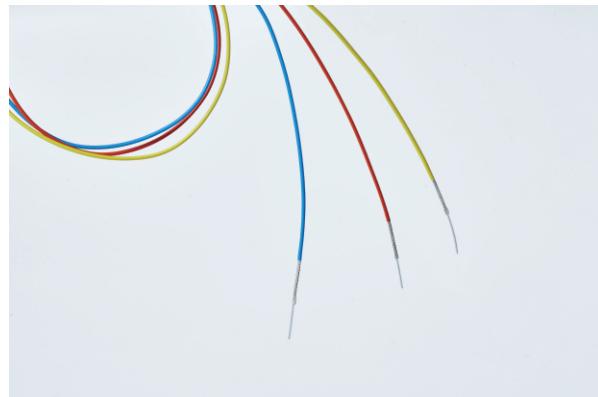


Mini Coax Cables

With Braided Shield

26.5 GHz | 70% Vp

Omnitek 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.



Cable Construction

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

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

Mini Coax Cables

With Braided Shield

26.5 GHz | 70% Vp

Mini Coax Cables					
Physical and Mechanical Properties					
Conductor	30AWG	32AWG	34AWG	36AWG	38AWG
Conductor Size	0.012"(7/38)	0.009"(7/40)	0.007"(7/42)	0.006"(7/44)	0.005"(7/46)
Shield	0.045"	0.038"	0.030"	0.022"	0.018"
Jacket	0.054"	0.047"	0.037"	0.028"	0.024"
Weight(g/ft)	1.52	1.07	0.67	0.46	0.30
Electrical Parameters					
Impedance(Ω)	50	50	50	50	50
Delay(ns/ft)	1.43	1.43	1.43	1.43	1.43
Capacitance(pF/ft)	29.9	29.9	29.9	29.9	29.9
Frequency(GHz)	26.5	26.5	26.5	26.5	26.5
Operating Temperature($^{\circ}$ C)	-25~125	-25~125	-25~125	-25~125	-25~125
Frequency(GHz)	Typical Attenuation(dB/ft) (+25 $^{\circ}$ C Environment; Sea level)				
2.5	0.70	0.87	1.08	1.34	1.67
5.0	1.04	1.27	1.56	1.93	2.40
10.0	1.54	1.87	2.29	2.81	3.47
18.0	2.19	2.63	3.19	3.89	4.78
26.5	2.78	3.32	3.99	4.85	5.92

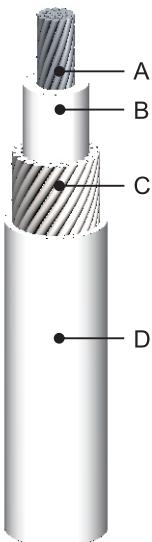
If you need more information or customized products based on actual applications, please contact us.

Mini Coax Cables

With Serve Shield

26.5 GHz | 70% V_p

Omnitek 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. Serve shield cable is characterized by a smaller finished outside diameter and softer wire.



Cable Construction

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

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

Mini Coax Cables

With Serve Shield

26.5 GHz | 70% Vp

Mini Coax Cables					
Physical and Mechanical Properties					
Conductor Size	30AWG	32AWG	34AWG	36AWG	38AWG
Conductor	0.012"(7/38)	0.009"(7/40)	0.007"(7/42)	0.006"(7/44)	0.005"(7/46)
Shield	0.040"	0.033"	0.025"	0.020"	0.016"
Jacket	0.049"	0.041"	0.033"	0.026"	0.022"
Weight(g/ft)	1.13	0.76	0.55	0.30	0.24
Electrical Parameters					
Impedance(Ω)	50	50	50	50	50
Delay(ns/ft)	1.43	1.43	1.43	1.43	1.43
Capacitance(pF/ft)	29.9	29.9	29.9	29.9	29.9
Frequency(GHz)	26.5	26.5	26.5	26.5	26.5
Operating Temperature($^{\circ}$ C)	-25~125	-25~125	-25~125	-25~125	-25~125
Frequency(GHz)	Typical Attenuation(dB/m) (+25 $^{\circ}$ C Environment; Sea level)				
2.5	0.74	0.91	1.13	1.41	1.76
5.0	1.09	1.34	1.64	2.03	2.52
10.0	1.62	1.97	2.40	2.96	3.65
18.0	2.32	2.77	3.36	4.14	5.12
26.5	2.93	3.49	4.24	5.22	6.46

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