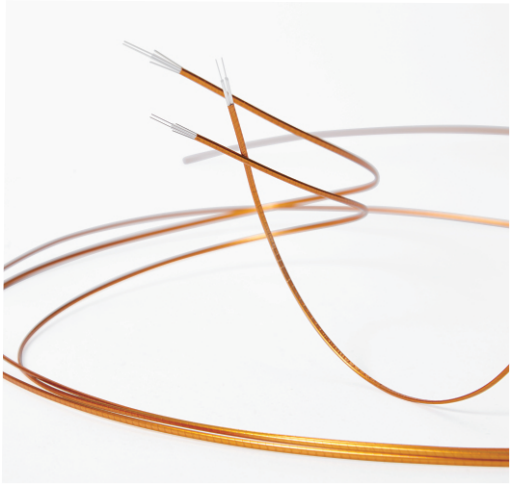
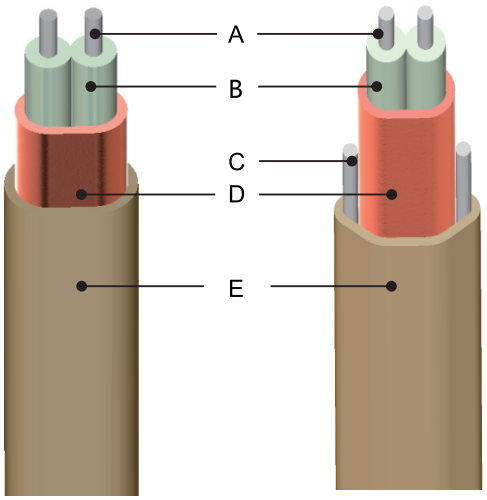
High Speed Twinax Cables

With Drain | Without Drain
Suck-out free up to 40 GHz

For high-performance computing, routers, storage and switches, cables that can efficiently carry large volumes of data are critical. Omnitek High Speed Twinax Cables have typical characteristics of low attenuation and low time delay, and can maintain highspeed signal transmission up to 40GHz. Lincos offers optional cables without drain wire and double drain wire.





Features and Advantages

- High transmission rate
- High reliability
- Strong anti-interference ability
- Low transmission error
- Long transmission distance

Typical Applications

- Digital Video System
- Avionics Network
- Ethernet System
- High-speed Bus
- Radar
- Satellite Communication

Cable Construction

Item	Construction	Material	
		Without Drain	With Drain
A	Conductor	Solid SPC	Solid SPC
B	Dielectric	FEP, Light Green	FEP, Light Green
C	Drain wire	/	32AWG solid SPC
D	Shield	CU tape	CU tape
E	Jacket	Mylar, Clear	Mylar, Clear

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

Standards Compliance

- ANSI/NEMA WC 27500 Performance Requirements: Environmental Testing, Jacket and Marking
- FAR Part 25, Appendix F, Part I and MIL-W-22759: Flame Resistance
- FAR Part 25, Appendix F, Part V: Smoke Density

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100 OHMS With Drain | Without Drain

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High Speed Twinax Cables								
Physical and Mechanical Properties								
Conductor	26AWG		28AWG		30AWG		32AWG	
Dielectric	0.098*0.051"		0.076*0.040"		0.060*0.031"		0.047*0.024"	
Drain size	\	0.008"	\	0.008"	\	0.008"	\	0.008"
Jacket	0.102*0.055"	0.117*0.055"	0.080*0.044"	0.095*0.044"	0.063*0.035"	0.079*0.035"	0.050*0.028"	0.066*0.028"
Weight(g/ft)	2.59	2.77	1.58	1.77	1.04	1.22	0.69	0.87
Electrical Parameters								
Impedance(Ω)	100		100		100		100	
Delay(ns/ft)	1.46		1.46		1.46		1.46	
Cap.(pF/ft)	13.40		13.40		13.40		13.40	
Fre.(GHz)	40		40		40		40	
Fre.(GHz)	Typical Attenuation(dB/ft) (+25℃ Environment; Sea level)							
12.89	1.02		1.27		1.54		1.99	
14.00	1.07		1.32		1.63		2.10	
19.00	1.36		1.65		2.04		2.52	
26.56	1.65		2.02		2.50		3.20	
28.00	1.73		2.13		2.61		3.31	
32.00	1.92		2.35		2.89		3.52	
40.00	2.27		2.79		3.43		3.96	

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