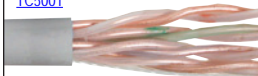


Category 6

TC5001



- 24 AWG Solid Conductors
- EIA568 Color-Coded with a PVC Jacket
- Use with Hi-Speed Gigabit Ethernet

TC5050



- 24 AWG Stranded Conductor for Flexibility
- EIA568 Color-Coded with a PVC Jacket
- Use with Hi-Speed Gigabit Ethernet

TPC2756



- 24 AWG Solid Conductors
- EIA568 Color-Coded with a Plenum Jacket
- Use with Hi-Speed Gigabit Ethernet

TEC6101



- 26 AWG Stranded Conductors
- EIA568 Color-Coded with a PVC Jacket
- Use with Hi-Speed Gigabit Ethernet

TFCLS6001



- 26 AWG Stranded Conductors
- EIA568 Color-Coded with an LSZH Jacket
- Use with Hi-Speed Gigabit Ethernet



TCK5050A



TCK5001A

Item #	Description	Color	1-9	10-24	25-99	100-249	250-499
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**RoHS Category 6 to 250 MHz UTP Bulk Cable - Maximum Performance for LAN Environments**

Future proof your installation with the latest in UTP technology. The Category 6 standard addresses the need for improving the performance of twisted pair cabling to support emerging hi-speed applications. Transmission parameter requirements exceed Category 5E and are specified up to 250 MHz.

FREQUENCY	NEAR END CROSSTALK (NEXT)	POWER SUM NEXT LOSS	EQUAL LEVEL FAR END CROSSTALK (ELFEXT)	POWER SUM ELFEXT	INSERTION LOSS	ATTENUATION	IMPEDANCE
4 MHz	65.3 db	63.3 db	55.8 db	52.8 db	3.8 db	3.8 db	100 Ohms ± 15 Ohms
10 MHz	59.3 db	57.3 db	47.8 db	44.8 db	6.0db	6.0db	100 Ohms ± 15 Ohms
20 MHz	54.8 db	52.8 db	41.8 db	38.8 db	8.5 db	8.6 db	100 Ohms ± 15 Ohms
100 MHz	44.3 db	42.3 db	27.8 db	24.8 db	19.8 db	20.2 db	100 Ohms ± 15 Ohms
250 MHz	38.3 db	36.3 db	19.8 db	16.8 db	32.8 db	33.8 db	100 Ohms ± 15 Ohms

This table refers to the electrical specifications of TPC2756, other Category 6 cabling is similar.

TC5001	Category 6, PVC, 1,000 ft Box, 4 Pr. Solid	Gray	159.95	156.75	153.55	150.35	147.15
TC5050	Category 6, PVC, 1,000 ft Reel, 4 Pr. Stranded	Blue	229.95	225.35	220.75	216.15	211.55
TPC2756	Category 6, Plenum, 1,000 ft Reel, 4 Pr. Solid	Blue	399.00	391.02	383.04	375.06	367.08

**Category 6 Hi-Speed Shielded Network Bulk Cable**

For protection against EMI/RFI interference L-com's high performance Category 6 shielded bulk cable is the perfect choice. Designed for today's hi-speed gigabit networks, this Category 6 cable from L-com is made to outperform all others. With a 100% foil shield covering 4-pair 26 AWG stranded conductors, your data is protected from interference. Designed to exceed EIA568B standards, this cable will easily handle gigabit Ethernet applications. Contact us today for all of your network cabling needs.

TEFC6101	Category 6 PVC, Shielded, 1,000 ft Reel, 4 Pr. Stranded	Lt. Gray	379.00	371.42	363.84	356.26	348.68
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**RoHS Category 6 Low Smoke Zero Halogen Shielded Bulk Cable**

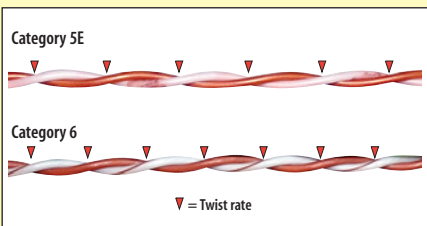
For protection against EMI/RFI interference L-com's high performance Category 6 shielded LSZH bulk cable is the perfect choice. Designed for environments where PVC's combustible toxicity is restricted, L-com's shielded Low Smoke Zero Halogen (LSZH) Ethernet cable provides the ideal alternative. Featuring an aluminized polyester shielded cable with drain wire, this cable is designed to protect from EMI/RFI while maintaining high performance data transmission characteristics. Ensure the protection of your investment by utilizing this L-com exclusive LSZH cable. Talk to us about your project today!

TFCLS6001	Category 6 LSZH, Shielded, 1,000 ft Reel, 4 Pr. Stranded	Lt. Gray	499.00	489.02	479.04	469.06	459.08
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**Tip What is the difference between Category 5E & Category 6 100 Ohm UTP?**

The new Category 6 Standard adopted in mid 2002 extended key parameters over 5E specifications. The additional headroom is intended to provide quality transmission at higher data rates required by emerging applications. As the chart indicates, the most prominent difference is the frequency at which the key parameters are measured. The jump from 100 to 250 Mhz places a great deal of emphasis on component quality as well as installation techniques. This improvement is commonly noticed by the increased pair twisting and staggering of twisted pairs.



	Category 5E	Category 6
Frequency	100 MHz	250MHz
Attenuation	22db	19.8db/100M @ 100 MHz 32.8db/100M @ 250 MHz
Return Loss	19db	19db @ 100 MHz 15.6db @ 250 MHz
Delay Skew	45ns	45ns
Near End Crosstalk (NEXT)	35.3db	44.3db @ 100 MHz 38.3db @ 250 MHz
Power Sum Near End Crosstalk (PS-NEXT)	32.3db	42.3db @ 100 MHz 36.3db @ 250 MHz
Equal Level Far End Crosstalk (ELFEXT)	23.8db	27.8db @ 100 MHz 19.8db @ 250 MHz
Power Sum Equal Level Far end Crosstalk (PS-ELFEXT)	20.8db	24.8db @ 100 MHz 16.8db @ 250 MHz

**Category 6 Patch Cord Kit**

Make your own patch cables with one of L-com's complete patch cord kits. Each kit includes the correct tools, connectors and cable required to make your own patch cables. Each kit contains one spool of Category 6 rated 4-pair cable, one cable stripping tool, 50 RJ45 modular plugs, one crimp tool and an L-com tester. Custom build your own patch cables to the specific length you need.

TCK5050A	Category 6 Patch Cord Kit	349.95	335.95	321.95	307.96	CALL
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**Category 6 Network Installation Kit**

Get your own network cabling started with one of L-com's complete cable network installation kits. Each kit includes the bulk cable, tool and tester needed to set up in-wall network cabling. Each kit contains one spool of Category 6 rated 4-pair cable, one cable stripping tool, one punch tool and an L-com tester.

TCK5001A	Category 6 Network Installation Kit	229.95	220.75	211.55	202.36	CALL
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