



Category 5E

TC2379

TC2380

TC2581

TPC2567

TC58141

TPC58142

Outdoor Category 5E

TOAC2004

TOBC2004

TCK2382A

TCK2379A

TCK2347A

Item #	Description	Color	1-9	10-24	25-99	100-249	250-499
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RoHS Category 5E to 100 MHz - Hi-Speed UTP for LAN and Emerging Applications

Unshielded twisted pair has become the cabling of choice in voice and data applications. Low cost and easy installation are driving popularity. As new higher speed applications emerge, higher performance from cabling systems is required. Category 5E performance requirements add margin over existing Category 5 specifications to support more robust, bi-directional signaling schemes over all four pairs. Applications supported include: 10Base-T, 100Base-T, 100Base-TX, 1000Base-T, 100BaseVG-Any-LAN, 155Mbps ATM and a number of emerging multimedia applications.

FREQUENCY	NEAR END CROSS TALK (NEXT)	POWER SUM NEXT LOSS	EQUAL LEVEL FAR END CROSS TALK (EFLXT)	POWER SUM EFLXT	RETURN LOSS	ATTENUATION	IMPEDANCE
4 MHz	56.3 db	53.3 db	51.7 db	48.7 db	23 db	4.1 db	100 Ohms ± 15 Ohms
10 MHz	50.3 db	47.3 db	43.8 db	40.8 db	25 db	6.5 db	100 Ohms ± 15 Ohms
20 MHz	45.8 db	42.8 db	37.7 db	34.7 db	25 db	9.3 db	100 Ohms ± 15 Ohms
100 MHz	35.3 db	32.3 db	23.8 db	20.8 db	20.1 db	22 db	100 Ohms ± 15 Ohms

This table refers to the electrical specifications of TC2379, other Category 5E cabling is similar.

TC2379	Category 5E, PVC Bulk, 1,000 ft Box, 4 Pr. Solid	Beige	89.00	87.22	85.44	83.66	81.88
TC2737	Category 5E, PVC Bulk, 1,000 ft Box, 4 Pr. Solid	Gray	89.00	87.22	85.44	83.66	81.88
TC58141	Category 5E, PVC Bulk, 1,000 ft Reel, 25 Pr. Solid	Gray	1895.95	1858.03	1820.11	1782.19	1744.27
TC2380	Category 5E, PVC Bulk, 1,000 ft Reel, 2 Pr. Stranded	Beige	129.00	126.42	123.84	121.26	118.68
TC2382	Category 5E, PVC Bulk, 1,000 ft Reel, 4 Pr. Stranded	Beige	159.00	155.82	152.64	149.46	146.28
TC2581	Category 5E, PVC Bulk, 1,000 ft Reel, 4 Pr. Stranded	Yellow	159.00	155.82	152.64	149.46	146.28
TC2589	Category 5E, PVC Bulk, 1,000 ft Reel, 4 Pr. Stranded	Red	159.00	155.82	152.64	149.46	146.28
TC2590	Category 5E, PVC Bulk, 1,000 ft Reel, 4 Pr. Stranded	Green	159.00	155.82	152.64	149.46	146.28
TC2599	Category 5E, PVC Bulk, 1,000 ft Reel, 4 Pr. Stranded	Blue	159.00	155.82	152.64	149.46	146.28
TPC2347	Category 5E, Plenum Bulk, 1,000 ft Box, 4 Pr. Solid	White	219.00	214.62	210.24	205.86	201.48
TPC2567	Category 5E, Plenum Bulk, 1,000 ft Box, 4 Pr. Solid	Blue	219.00	214.62	210.24	205.86	201.48
TPC58142	Category 5E, Plenum Bulk, 1,000 ft Reel, 25 Pr. Solid	Gray	3999.00	3919.02	3839.04	3759.06	3679.08

RoHS Category 5E Outdoor UV Resistant Gel-Filled Bulk Cable - Ethernet Grade Cable for Outdoor Usage

Protect Ethernet cable runs outside with L-com's outdoor Category 5E rated twisted pair cabling. The gel-filled jacket provides moisture protection when used in an outdoor environment. With the UV protected jacket, outdoor cable runs are protected from damage caused by sunlight exposure. The cable is EIA568 color-coded for compatibility with standard installations and features solid conductors for termination into standard IDC connectors. Order online today!

FREQUENCY	NEAR END CROSS TALK (NEXT)	ATTENUATION	CAPACITANCE	IMPEDANCE
4 MHz	53 dB min.	4.1 dB/330 ft max.	14 pF/ft Max	100 Ohms ± 15 Ohms
10 MHz	47 dB min.	6.5 dB/330 ft max.	14 pF/ft Max	100 Ohms ± 15 Ohms
20 MHz	42 dB min.	9.3 dB/330 ft max.	14 pF/ft Max	100 Ohms ± 15 Ohms
100 MHz	32 dB min.	22 dB/330 ft max.	14 pF/ft Max	100 Ohms ± 15 Ohms

TOAC2004	Cat. 5E, Outdoor Aerial/Duct, 4 Pr. Solid	1,000 ft Reel	Black	249.95	244.95	239.95	234.95
TOBC2004	Cat. 5E, Outdoor Direct Burial, 4 Pr. Solid	1,000 ft Reel	Black	449.95	440.95	431.95	422.95

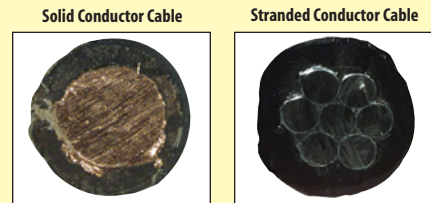
Solid vs Stranded Center Conductors



In network cabling there are two distinct types of cable that are offered. Each type of cable has advantages and disadvantages: **Stranded cable**, used on workstation patch cords, is very flexible and easily bends but has a slightly higher attenuation factor. **Solid cable**, used in horizontal runs, is stiff but offers better transmission performance.

Comparison Between Solid and Stranded Conductor Cable

	Solid Conductor Cable	Stranded Conductor Cable
Advantages	Lowest Cost Best Transmission Performance Terminates to IDC110 Blocks/Jacks	Very Flexible Easy Plug Termination
Disadvantages	Not Flexible Difficult to terminate to plug	Higher Cost Recommended Distance (<10m) Higher Attenuation Cannot connect to IDC 110 blocks



L-com Modular Tool Kits - A Complete Solution for Cable Installers

L-com's modular tool kits offer a complete package for cable installers from assembling patch cords to running new data/phone lines to the desktop. Each kit includes the tools required for termination and testing of network cabling.

RoHS Category 5E 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 5E rated 4-pair cable, one cable stripping tool, 100 RJ45 modular plugs, one crimp tool and an L-com tester. Custom build your own patch cables to the specific length you need.

TCK2382A	Category 5E Patch Cord Kit	249.95	239.95	229.95	219.96	CALL
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RoHS Category 5E Basic Network Installation Kit

Get your own network cabling started with one of L-com's complete cable 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 5E rated 4-pair cable, one cable stripping tool, one punch tool and an L-com tester.

TCK2379A	Category 5E Basic Network Installation Kit	149.95	143.95	137.95	131.96	CALL
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RoHS Category 5E Plenum Network Installation Kit

Get your own network cabling started with one of L-com's complete cable installation kits. Each network installation kit comes with the bulk cable, tool and tester needed to set up in-wall network cabling. Each kit contains one spool of Category 5E rated 4-pair cable, one cable stripping tool, one punch tool and an L-com tester.

TCK2347A	Category 5E Plenum Network Installation Kit	279.95	268.75	257.55	246.36	CALL
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