Excel Category 6 Unscreened Twisted Pair (UTP) Patch Leads - LSOH

excel
without compromise.

CAT6

- X LSOH Outer Sheath as standard
- X Independently Verified
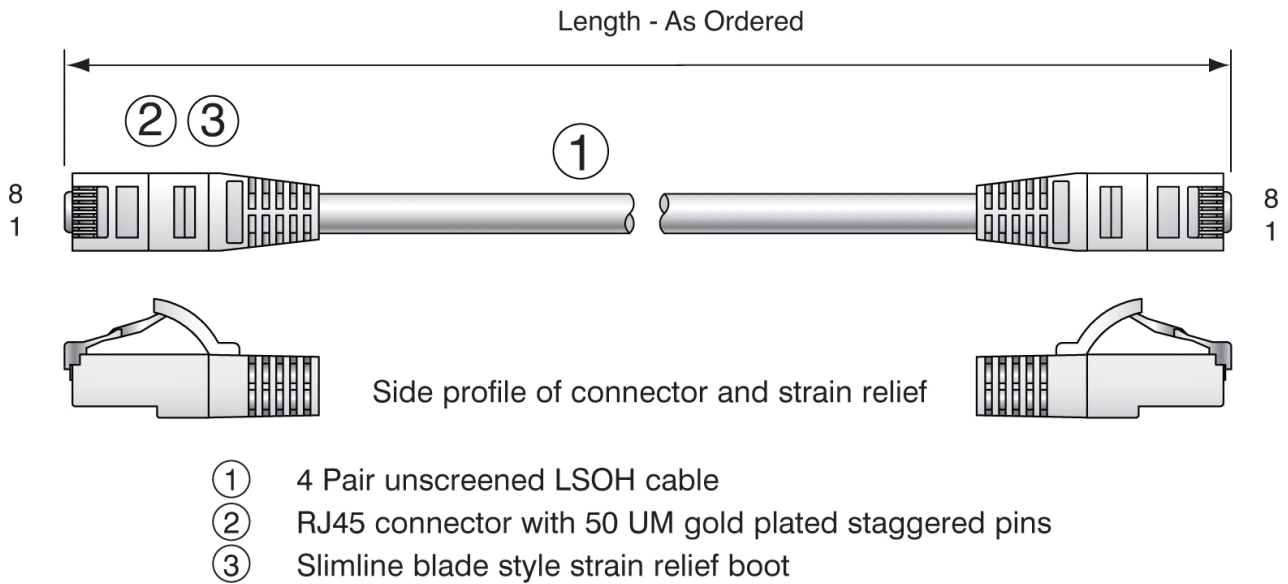- X 25 Year System Warranty
- X Blade Style Strain Relief Boots

Features

- X LSOH Outer Sheath as standard
- X 25 Year System Warranty
- X Category 6 compliant
- X 'Stepped' RJ45 connector pins
- X No.3 cabling system by market share, as reported by BSRIA

- X Independently Verified
- X Blade Style Strain Relief Boots
- X Backward Compatible with Category 5e
- X Choice of Colour

Product Overview

Excel Category 6 UTP patch leads are manufactured and tested to ISO & EN requirements for patch cord assemblies. Using these Excel patch cords will ensure the installed cabling system is compliant with the TIA/EIA, ISO & EN channel specification requirements, and will provide optimum performance levels of your Excel Category 6 cabling.

A choice of lengths and colours are available, colour coded slimline molded boots suitable for use in high density routers or switch blades are standard and each cable is supplied individually bagged. Each cable has a low smoke zero halogen outer sheath as standard and ideal for use in office and data centre environments.

Length - As Ordered

8
1

Side profile of connector and strain relief

8
1

① 4 Pair unscreened LSOH cable
② RJ45 connector with 50 UM gold plated staggered pins
③ Slimline blade style strain relief boot

Performance / Specification Table

Conductor	24AWG (7/0.145mm), Stranded Plain Copper
Insulation	Polyolefin
Outer Sheath	Flame resistant, Low Smoke Zero Halogen
Outer Diameter	6.0mm +/- 0.2mm
Installation Temperature Range	0 to +60c
Operating Temperature Range	-10 to +60c
Flame Retardance	IEC 60332-1
Smoke Emission	IEC 61034

Performance Overview

Excel Category 6 patch leads are manufactured and tested to the latest specification requirements as defined by the relevant standards bodies. A range of performance characteristics are tested upto 250MHz including return loss, attenuation and near and far end crosstalk (NEXT and FEXT) for which both worst case and power sum tests are completed. Actual performance far exceeds the required standard – when tested in isolation and in circuit – resulting in significant headroom for even the most demanding of applications.

As well as providing link and channel compliance – when installed with Excel Category 6 components – with the aforementioned specification – the panel is also backward compatible with Category 5 and 5e components.

The Excel range of Category 6 LSOH Patch Cords have been tested and certified to carry the ETL Verification Mark. Copies of the ETL Certificate of Conformance are available on www.excel-networking.com

Performance / Specification Table

Frequency (MHZ)	Impedance (Ohm)	Return Loss 100m Max.	Insertion Loss (dB)	NEXT (dB)	PSNEXT (dB)	ACR-F (dB)
1.0		20.00	2.45	74.31	72.31	67.75
4.0		23.01	4.58	65.28	63.28	55.71
10.0		25.00	7.22	59.31	57.31	47.75
16.0	100+/-15%	25.00	9.18	56.25	54.25	43.67
20.0		25.00	10.30	54.80	52.80	41.73
25.0		24.17	11.57	53.35	51.35	39.79
31.3		23.33	13.00	51.89	49.89	37.86
62.5		20.74	18.80	47.38	45.38	31.83
100.0		18.99	24.26	44.31	42.31	27.75
200.0	100+/-22%	16.40	35.70	39.80	37.80	21.73
250.0	100+/-25%	15.57	40.55	38.35	36.35	19.79

Typical Applications

■ 100BASE-TX Fast Ethernet
■ Composite Video
■ Token Ring
■ 1000BASE-T Gigabit Ehernet
■ 155 Mbps ATM
■ 622 Mbps ATM

Frequency (MHZ)	Impedance (Ohm)	Return Loss 100m Max.	Insertion Loss (dB)	NEXT (dB)	PSNEXT (dB)	ACR-F (dB)

Part Numbers

Part No.	Description
100-395-PK10	Category 6 Unscreened UTP Patch Lead LSOH, Booted, Grey 0.5m, Pack of 10
100-310-PK10	Category 6 Unscreened UTP Patch Lead LSOH, Booted, Grey 1m, Pack of 10
100-311-PK10	Category 6 Unscreened UTP Patch Lead LSOH, Booted, Grey 2m, Pack of 10
100-312-PK10	Category 6 Unscreened UTP Patch Lead LSOH, Booted, Grey 3m, Pack of 10
100-357-PK10	Category 6 Unscreened UTP Patch Lead LSOH, Booted, Grey 4m, Pack of 10
100-314-PK10	Category 6 Unscreened UTP Patch Lead LSOH, Booted, Grey 5m, Pack of 10
100-318	Category 6 Unscreened UTP Patch Lead LSOH, Booted, Grey 6m
100-414	Category 6 Unscreened UTP Patch Lead LSOH, Booted, Grey 7m
100-352	Category 6 Unscreened UTP Patch Lead LSOH, Booted, Grey 8m
100-335	Category 6 Unscreened UTP Patch Lead LSOH, Booted, Grey 10m
100-336	Category 6 Unscreened UTP Patch Lead LSOH, Booted, Grey 15m
100-337	Category 6 Unscreened UTP Patch Lead LSOH, Booted, Grey 20m

Also available in red, green, blue, yellow, black and white. Please contact our sales office for details

System Warranty

The Excel System Warranty provides a 25-year product and applications assurance of compliance with the industry performance standard appropriate to the class of cabling installed. The warranty may be applied for by an accredited Excel Partner who has designed, supplied and installed the said system.

Excel is a world-class premium performing end-to-end infrastructure solution - designed, manufactured, supported and delivered - without compromise.

Contact us at **sales@excel-networking.com**