Excel Category 5e Unscreened Twisted Pair (U/UTP) Cable - LSOH

excel
without compromise.

CAT5ᵉ

DELTA

- ✕ 3rd Party Verified
- ✕ Supports Gigabit Ethernet
- ✕ 25 Year System Warranty
- ✕ Metre Marked 305-0

Features

- 3rd Party Verified
- 25 Year System Warranty
- Category 5e compliant
- Choice of Colour
- No.3 cabling system by market share, as reported by BSRIA

- Supports Gigabit Ethernet
- Metre Marked 305-0
- LS0H IEC 332-1 Sheath
- Available in double box with outer carton for added protection

Product Overview

Excel Category 5e Unscreened LSOH Cables are manufactured and tested to the ISO 11801, EN 50173 and ANSI/TIA-568-C standards for enhanced performance Category 5 cables.
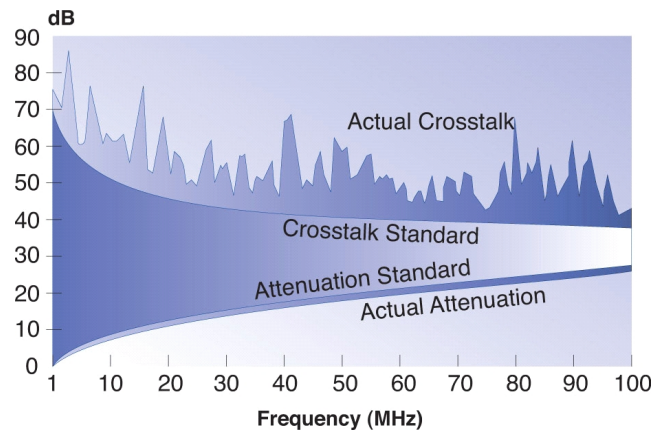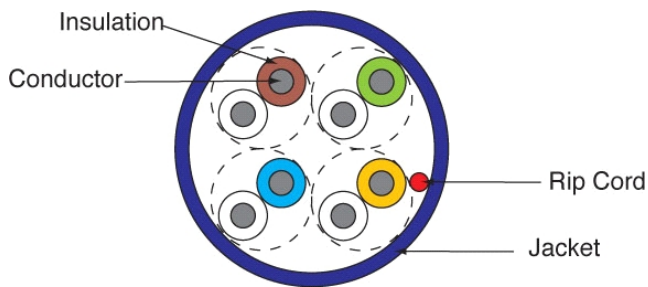
Each cable consists of 8 colour coded polyethylene insulated conductors. These are twisted together to form 4 pairs with varying lay lengths. These pairs, together with a strong nylon rip cord are jacketed in a violet low smoke zero halogen material, which complies with the requirements of IEC332-1. The printing detail on the sheath, includes the cables part number, specification details and a unique 305-0 metre marking within each box supplied, allowing for quick and easy measurement of cable installed and the amount remaining within the box.

Performance Overview

Excel Category 5e cables are manufactured and tested to the Category 5 enhanced standards as defined by the TIA and ISO standards' bodies. Swept frequency tests are applied to each critical performance characteristic, such as near end cross talk (NEXT) and far end cross talk (FEXT). Both Worst Case and Power Sum Test methods are applied. Actual performance exceeds the required standard by a considerable margin ensuring sufficient headroom for even the most demanding applications.

Specification

Low Smoke Zero Halogen IEC332-1 Outer Sheath	-
Nominal Overall Diameter	5.2mm
Operation Temperature Range	-10˚c to +75˚c
Bend Radius	4 x overall diameter installed, 8x installing
Conductor	24AWG Solid Copper
Conductor Insulation	Polyethylene
NVP	70%

Labels: Insulation, Conductor, Rip Cord, Jacket

Chart labels: dB (y-axis), Frequency (MHz) (x-axis), Actual Crosstalk, Crosstalk Standard, Attenuation Standard, Actual Attenuation

Performance / Specification Table

Frequency (MHZ)	Insertion Loss (dB)	NEXT (dB)	Return Loss (dB)	ACR-N (dB)	ACR-F (dB)	PS NEXT (dB)	PS ACR-F (dB)
1.0	2	62	20	60	64	62	64
4.0	3.8	53	23	49.2	52	53	51
10.0	6.5	47	25	40.5	44	47.3	44
16.0	8.2	44	25	35.8	39.9	44.2	40.9
20.0	9.2	43	25	33.8	38	42.8	39
31.25	11.7	40	23.6	38.3	34.1	39.9	35.1
62.5	17	35	21.5	18	28.1	35.4	29.1
100.0	22	32	20.1	10	24	32.3	25

Impedance (1-100 MHz) = 100 ± 15Ω

Typical Applications

- 10Base-T Ethernet
- 155 Mbps ATM
- 100BASE-TX Fast Ethernet
- 622 Mbps ATM
- 1000BASE-T Gigabit Ethernet
- Token Ring

Part Number Information

Part No.	Description
100-066	Category 5e Unscreened (U/UTP) Cable, LSOH, Violet, 305m Box
100-057	Category 5e Unscreened (U/UTP) Cable, LSOH, Orange, 305m Box
100-060	Category 5e Unscreened (U/UTP) Cable, LSOH, White, 305m Box
100-061	Category 5e Unscreened (U/UTP) Cable, LSOH, Red, 305, Box
100-062	Category 5e Unscreened (U/UTP) Cable, LSOH, Blue, 305m Box
100-063	Category 5e Unscreened (U/UTP) Cable, LSOH, Green, 305m Box
100-064	Category 5e Unscreened (U/UTP) Cable, LSOH, Yellow, 305m Box

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.

25 YEAR WARRANTY excel

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**

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