

25 Year System Warranty

Supports Gigabit Ethernet

Metre Marked 305-0

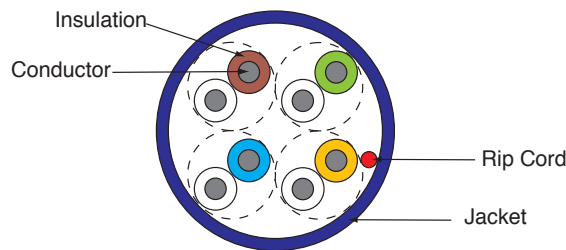
Features

- Category 5e compliant
- LSOH IEC 332-1 Sheath
- Choice of Colour
- 305 to 0 Metre Marked
- Available in double box with outer carton for added protection
- 25 Year System Warranty
- No.4 cabling system by market share, as reported by BSRIA

Product Overview

Excel Category 5e LSOH UTP Cables are manufactured, tested and verified to the ISO, TIA and EN standards for enhanced performance category 5e cables.

Each cable consists of 8 colour coded polyethelene 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.



Specification

Low Smoke Zero Halogen IEC332-1 Outer Sheath

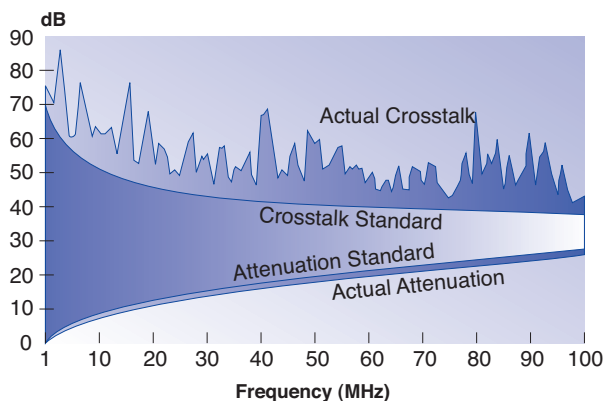
Nominal Overall Diameter	5.2mm
Operation Temperature Range	-10°c to +75°c
Bend Radius	4 x overall diameter installed, 8x installing
Conductor	24AWG solid copper
Conductor insulation	Polyethylene
NVP	70%

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.

Performance / Specification Table

Frequency (MHZ)	Impedance (Ohm)	SRL (dB)	Attenuation (dB/100m)	NEXT Worst Pair (dB)	NEXT Power Sum (dB)	ELFEXT Worst Pair (dB)	ELFEXT Power Sum (dB)	Velocity of Propagation (%)
0.772		—	1.8	67	64	—	—	
1.0		19	2.0	66	62	64	61	
4.0		20.8	4.1	57	53	52	49	
8.0		21.7	5.8	52	48	46	43	
10.0		22	6.5	51	47	44	41	
16.0	100 ± 15	22	8.2	48	44	40	37	70
20.0		22	9.3	46	42	38	35	
25.0		21.3	10.4	45	41	36	33	
31.25		20.6	11.7	43	39	34	31	
62.5		18.5	17.0	39	35	28	25	
100.0		17.1	22.0	36	32	24	21	



System Warranty

When installed with Excel Patch Panels and Data Outlets by an accredited Excel Cabling Partner, this product is supported by a comprehensive 25 year product and applications warranty.

Typical Applications

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

Part Number Information

Part No.	Description
100-066	Excel Category 5e LSOH Cable, Violet 305MTR Fast Feed Box
100-067	Excel Category 5e LSOH Cable, Green 305MTR Fast Feed Box



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