

25 Year System Warranty

Supports Gigabit Ethernet

Twin Cable

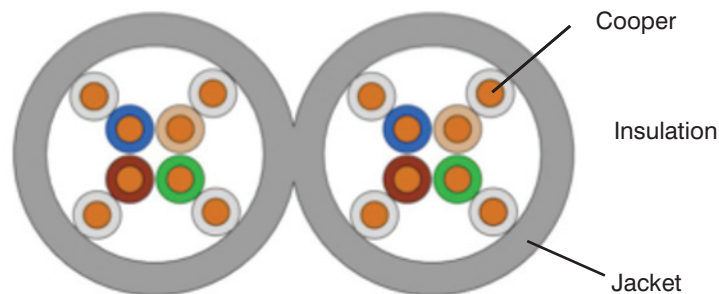
Features

- Category 5e compliant
- LSOH IEC 332-1 Sheath
- Twin (Shotgun) Cable
- 500 metre reel
- 25 Year System Warranty
- No.4 cabling system by market share, as reported by BSRIA

Product Overview

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

Each twin cable consists of two sets of 8 colour coded polyethelene insulated conductors. These are twisted together to form two sets of 4 pairs with varying lay lengths. These pairs 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 on the reel allowing for quick and easy measurement of cable installed and the amount remaining on the reel.



Specification

Low Smoke Zero Halogen IEC332-1 Outer Sheath

Nominal Overall Diameter

Operation Temperature Range

Bend Radius

Conductor

Conductor insulation

NVP

5.2mm (each 4 pair unit)

-10°C to +75°C

4 x overall diameter installed, 8x installing

24AWG solid copper

Polyethylene

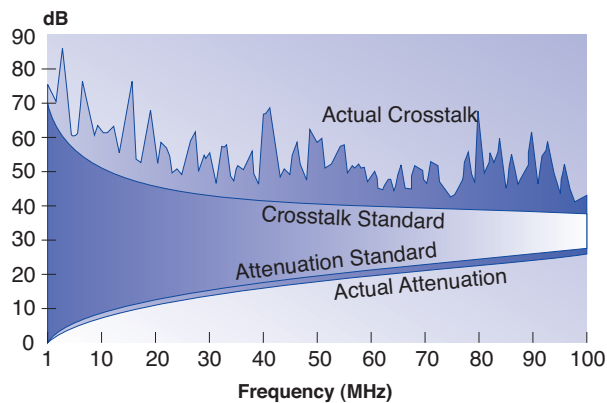
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Performance Overview

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
- 1000BASE-T Gigabit Ethernet
- 155 Mbps ATM
- 622 Mbps ATM
- Token Ring

Part Number Information

Part No.	Description
100-102	Excel Category 5e UTP Twin LSOH Cable - White - 500m reel



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