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

CAT5^e
EXCEL

DELTA

EC VERIFIED

25 Year System Warranty

Supports Gigabit Ethernet
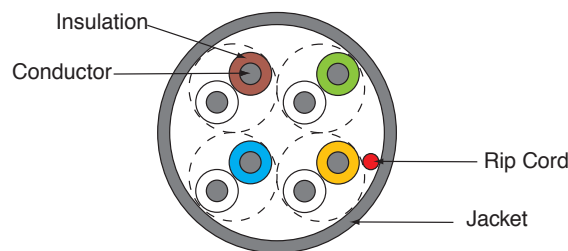
Independent Certification

Features

- Category 5e compliant
- 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
- Independently verified

Product Overview

Excel Category 5e UTP Cables are manufactured, tested and verified to the ISO/IEC 11801 2nd Edition, EN 50173:2007 and ANSI/TIA-568-C.2 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 heat resistant PVC material. 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. A choice of jacket colour enables departmental or application identification where necessary.

Specification

PVC Outer Sheath

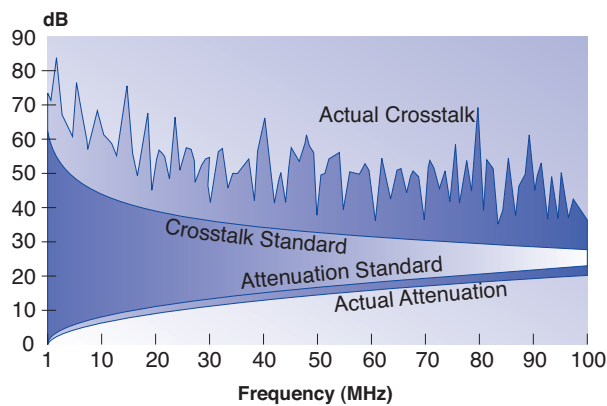|	
Nominal Overall Diameter	5.2mm
Operation Temperature Range	-10°c to +75°c
Bend Radius	4 x overall diameter installed, 8x installing
Conductor	24AWG solid copper
Conductor insulation	Polyethylene
Standard of flame retardancy	IEC 60332-1-[1,2] (2004-07)
NVP	70%

Performance Overview

Excel Category 5e cables are manufactured and tested to the Category 5 enhanced standards as defined by the EIA/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)	Insertion Loss (dB)	NEXT (dB)	Return Loss (dB)	ACR-N (dB)	ACR-F (dB)	PS NEXT (dB)	PS ACR-F (dB)
1	2	62	20	60	64	62	64
4	3.8	53	23	49.2	52	53	51
10	6.5	47	25	40.5	44	47.3	44
16	8.2	44	25	35.8	39.9	44.2	40.9
20	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	22	32	20.1	10	24	32.3	25

Impedance (1-100 MHz) = $100 \pm 15\Omega$

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
100-065	Excel Category 5e Cable Grey, 305MTR Fast Feed Box
100-059	Excel Category 5e Cable Grey, 500MTR Fast Feed Box

EC verified. *This product has been tested by the Delta EC Cabling Group and complies with the following standards -ISO/IEC 11801:2002 2nd edition, IEC 61156-5: Edition 2.0 2009-02, EN50173-1:2007 and ANSI/TIA-568-C.2. For copies of testcertification please contact you local Excel distributor, or visit www.excel-networking.com or www.delta.dk.*

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