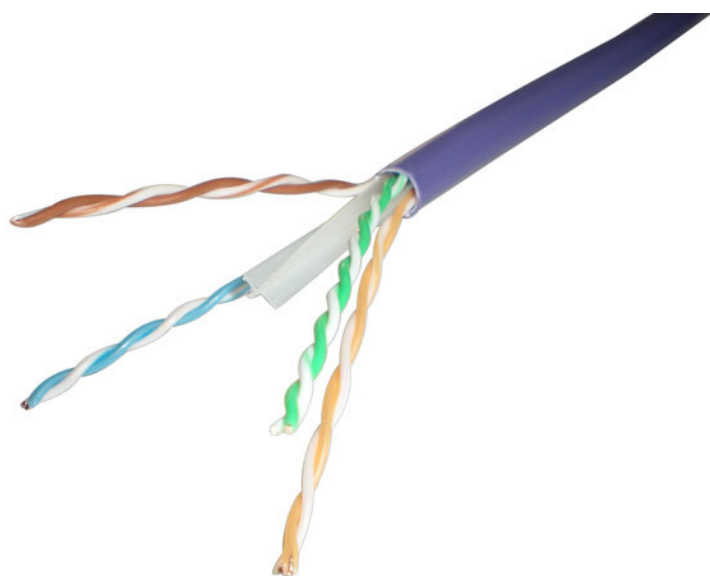


Excel Category 6 Unscreened Twisted Pair (U/UTP) Residential Cable

excel
without compromise.



X 25 Year Warranty

X Category 6 Compliant

X TIA/EIA 568 C-2 - EN50173-1 - ISO/IEC 11801

X 25 AWG

X 305-0 metre marked

X LSOH Outer Sheath

X Fast Feed Reellex Packaging

X CPR compliant to Dca

Features

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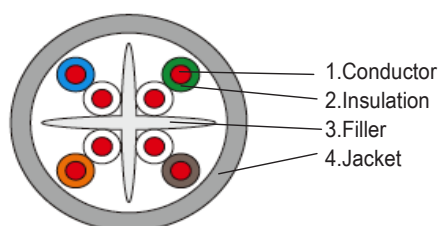
Product Overview

Excel Category 6 U/UTP Residential Cables are manufactured and tested to the TIA/EIA 568 C.2, EN50173-1 and ISO/IEC Category 6 specifications. Each cable consists of 8 colour coded 25AWG polyethelene insulated conductor. These are twisted together to form 4 pairs with vary lay lengths. These are then formed around a central X shaped polyethelene filler. This filler assists in maintaining and enhancing the cables performance.

The printing detail along the outer sheath includes the cable part code, specification detail and our 305 to 0 metre marking system. As the cable is dispensed from the box sequential marking counts down from 305 to 0 metres, as well as reducing waste and accounting easily for cable installed, this print legend removes the guesswork from assessing the amount of cable remaining in part used boxes.

This cable has been specifically designed to support the emergence of the residential cabling market where the distances involved do not require the same transmission capabilities as those found in the commercial environment.

Excel Category 6 Unscreened Twisted Pair (U/UTP) Residential Cable



Specification

Electronic swinghandle	
Overall Diameter	4.6mm
Installation Temperature Range	0 C to +60C
Nominal Velocity of Propagation (NVP)	70%
Operating Temperature Range	- 20 C to +75 C
Bend Radius	4 x overall diameter installed , 8 x during installation
Cable Weight	3.09 Kg/100m
Box Dimensions	
Standard of Flame Retardancy	IEC 60332-1-[1,2], IEC 60754-1 [1,2], IEC61034-[1,2]
Impedance	100 +/- 15W

Performance Overview

Excel Category 6 cables are manufactured and tested to the Category 6 performance standards defined by the TIA, ISO and EN Standards bodies. A range of performance characteristics are tested up to 250MHz including return loss, attenuation and near and far end crosstalk (NEXT and FEXT) for which both worst case and powersum tests are completed.

As well as providing link and channel performance at reduced lengths of up to 80m for the Permanent Link, the cable provides support for applications such as 1000 BASE-T Ethernet, VOIP, IP Cameras & IP TV etc

Performance/Specification Table

Frequency (MHz)	Insertion Loss (dB)	Next (dB)	RL (dB)	ACR-N (dB)	ACR-F (dB)	PS NEXT (dB)	PS ACR-N (dB)	PS ACR-F (dB)
1.00	3.00	65.00	19.10	62.00	64.20	62.00	59.00	61.20
4.00	3.50	64.10	21.00	60.60	52.10	61.80	58.30	49.10
8.00	5.00	59.40	21.00	54.40	46.10	57.00	52.10	43.10
10.00	5.50	57.80	21.00	52.30	44.20	55.50	49.90	41.20
16.00	7.00	54.60	20.00	47.60	40.10	52.20	45.20	37.10
20.00	7.90	53.10	19.50	45.20	38.20	50.70	42.80	35.20
25.00	8.90	51.50	19.00	42.70	36.20	49.10	40.20	33.20
31.25	10.00	50.00	18.50	40.00	34.30	47.50	37.60	31.30
62.50	14.40	45.10	16.00	30.80	28.30	42.70	28.30	25.30
100.00	18.60	41.80	14.00	23.30	24.20	39.30	20.70	21.20
200.00	27.40	36.90	11.00	9.60	18.20	34.30	7.00	15.20
250.00	31.00	35.60	10.00	4.20	16.20	32.70	1.60	13.20

Excel Category 6 Unscreened Twisted Pair (U/UTP) Residential Cable



Performance/Specification Table

Part Number	Description
100-609	Excel Category 6 U/UTP Residential Cable, Violet

Related Products

Part Number	Description
100-655	Excel Residential SOHO Cabinet
100-660	Excel Category 6 UTP Flat Patch Lead - 200mm
100-661	Excel Category 6 UTP Flat Patch Lead - 250mm

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



E&OE. Excel is a registered trade name of Mayflex Holdings Ltd.

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