



X Independently Verified

X Supports Gigabit Ethernet

X LSOH Cable Sheath

X Blade Style Strain Relief Boots

Image shows booted lead

### Features

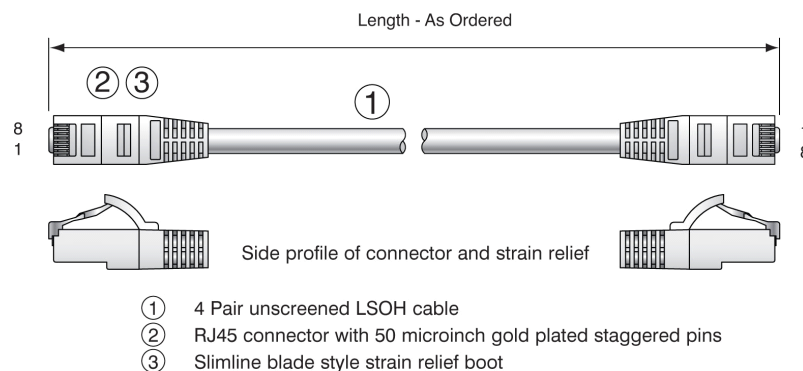
- Independently Verified
- LSOH Cable Sheath
- Category 5e Compliant
- No.2 cabling system by market share, as reported by BSRIA
- Supports Gigabit Ethernet
- Blade Style Strain Relief Boots
- Choice of Colour

### Product Overview

Excel Category 5e Unscreened Patch Leads are manufactured, tested and independently verified to the ISO11801 and EN 50173 Category 5 and EIA/TIA standards for enhanced performance.

Each cable consists of 8 colour coded stranded 24AWG conductors twisted together to form 4 pairs with varying lay lengths. The outer sheath is of LSOH construction. A choice of jacket colours enables departmental or application identification, where necessary.

Cables are fitted with plastic strain relief boots, for applications that may require continuous patching or a degree of stress relief applied to each cable. The boot is of a slimline blade style suitable for high density patching applications, shaped to also provide protection to the latch of the connector.



### Performance Overview

Excel Category 5e cables are manufactured to and tested to the current 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

DC Resistance Unbalance (max)	5%
Characteristic Impedance	100Ω ± 15Ω
Delay skew (max)	45 ns / 100m

Frequency (MHz)	NEXT (dB)	PSNEXT (dB)	ACR-F (dB)	PSACR-F (dB)	Return Loss (dB)	Propagation Delay (ns/100m)
<b>0.772</b>	<b>67</b>	<b>64</b>	<b>66.1</b>	<b>63.1</b>	-	-
1	65.3	62.3	63.8	60.8	20	570
<b>4</b>	<b>56.3</b>	<b>53.3</b>	<b>51.8</b>	<b>48.8</b>	<b>23</b>	<b>552</b>
8	51.8	48.8	45.8	42.8	24.6	546
<b>10</b>	<b>50.3</b>	<b>47.3</b>	<b>43.8</b>	<b>40.8</b>	<b>25</b>	<b>545</b>
16	47.3	44.3	39.8	36.8	25	543
<b>20</b>	<b>45.8</b>	<b>42.8</b>	<b>37.8</b>	<b>34.8</b>	<b>25</b>	<b>542</b>
25	44.4	41.4	35.9	32.9	24.2	541
<b>31.25</b>	<b>42.9</b>	<b>39.9</b>	<b>33.9</b>	<b>30.9</b>	<b>23.4</b>	<b>540</b>
62.5	38.4	35.4	27.9	24.9	20.8	538
<b>100</b>	<b>35.3</b>	<b>32.3</b>	<b>23.8</b>	<b>20.8</b>	<b>19</b>	<b>537</b>

## Typical Applications

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

Part No.	Description
BBxxxMPLYy	Excel Category 5e Blade Boot RJ45 Patch Lead

xxx = Length 0.3 to 30 Metre Available

yy = Colours available:

Grey (GE), Red (RD), Blue (BU), Black (BK), Green (GN), Yellow (YW), Violet (VT) White (WT), Orange (OR) & Pink (PK)

## 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](mailto:sales@excel-networking.com)

**excel**  
without compromise.

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[www.excel-networking.com](http://www.excel-networking.com)