

Image shows booted lead

- ✕ Independently Verified
- ✕ Crossover termination
- ✕ LSOH Cable Sheath
- ✕ Blade Style Strain Relief Boots

### Features

- Independently Verified
- LSOH Cable Sheath
- Category 5e Compliant
- No.3 cabling system by market share, as reported by BSRIA
- Crossover termination
- Blade Style Strain Relief Boots
- Choice of Colour

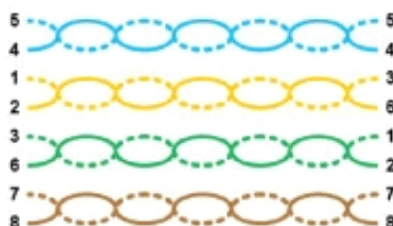
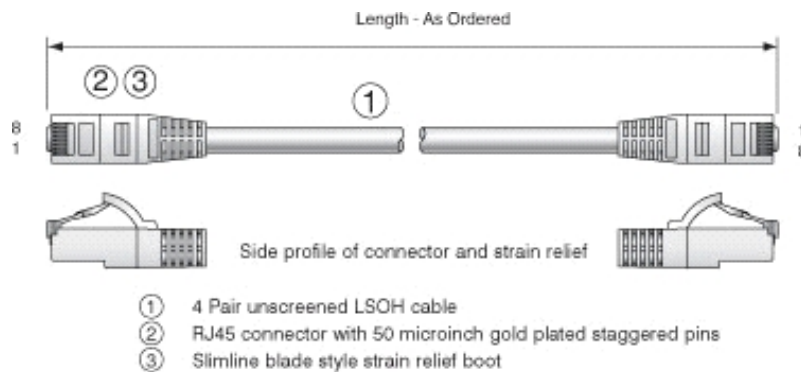
### Product Overview

Excel Category 5e Unscreened Crossover Patch Leads are manufactured, tested and independently verified to the ISO11801 and EN 50173 Category 5 and EIA/TIA standards for enhanced performance. The crossover design allows cascade connection of equipment without crossover ports.

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.

For convenience lengths up to and including 5m are supplied packs of 10.



## Construction

Conductor	24 AWG (7/0.145mm) Stranded
Conductor insulation	Polyethylene
Outer sheath	Flame resistant, Low Smoke Zero Halogen
Outer sheath thickness	0.6mm +/- 0.05mm
Outer diameter	5.2mm +/- 0.2mm

## 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)
0.772	67	64	66.1	63.1	-	-
1	65.3	62.3	63.8	60.8	20	570
4	56.3	53.3	51.8	48.8	23	552
8	51.8	48.8	45.8	42.8	24.6	546
10	50.3	47.3	43.8	40.8	25	545
16	47.3	44.3	39.8	36.8	25	543
20	45.8	42.8	37.8	34.8	25	542
25	44.4	41.4	35.9	32.9	24.2	541
31.25	42.9	39.9	33.9	30.9	23.4	540
62.5	38.4	35.4	27.9	24.9	20.8	538
100	35.3	32.3	23.8	20.8	19	537

## Typical Applications

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

## Part Number Information

Length	Grey	Red	Violet	Yellow	Green	White
1m	BB001MPLGE/X	BB001MPLRD/X	BB001MPLVT/X		BB001MPLGN/X	
2m	BB002MPLGE/X	BB002MPLRD/X	BB002MPLVT/X	BB002MPLYW/X		
3m	BB003MPLGE/X	BB003MPLRD/X	BB003MPLVT/X			
5m	BB005MPLGE/X	BB005MPLRD/X	BB005MPLVT/X	BB005MPLYW/X		BB005MPLWT/X
10m	BB010MPLGE/X					
15m	BB150MPLGE/X					

## 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)

