

# Technical Note

## TN36: Excel XXX -219 Cat6a U/UTP cables manufactured with an Isolation Tape

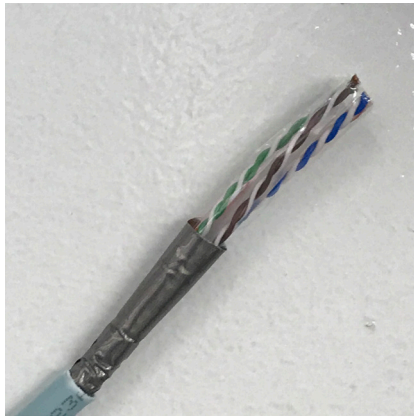


### Overview:

Redesign of Excel Cat6a U/UTP cables to include an Isolation Tape for improved Alien Crosstalk performance.

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Excel Category 6A Unscreened cable takes the performance capabilities of copper infrastructure to new levels. Designed to the current ISO EN and TIA standards for Class EA/Category 6A performance this cable is intended to deliver reliable, high network performance over permanent link distances of up to 90 metres and channels up to 100m, including applications such as 10GBASE-T, 10 Gigabit Ethernet.

The new design construction of Excel Cat6a U/UTP range of cables enables designers and integrators to specify and install more cables within the same containment space. The overall diameter of the Cat6a U/UTP cable has been reduced from 8.3mm to 7mm. This smaller diameter means reduced minimum bend radius and more flexibility, making installation easier. This has been achieved through the introduction of an isolation tape in the construction of the cable. The tape which is non-conductive, non-magnetic provides improved PSANEXT and PSAACRF suppression which significantly reduces Alien Crosstalk resulting in improved 10G Base-T performance.

*This Technical Note has been produced by Ian McKiernan, Technical Pre-Sales Manager, on behalf of Excel*

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