

Cable ID: Q1001
Date / Time: 25/10/2012 07:14:12
Headroom: 9.5 dB (NEXT 3678)
Test Limit: TIA Cat 5e Channel
Cable Type: UTP 100 Ohm Cat 5e

Operator: DAVID THOMAS
Software Version: 1.925
Limits Version: 5.17
NVP: 69.0%


Model: DSP-4300
Main S/N: 8621016
Remote S/N: 8696010
Main Adaptor: LIA013
Remote Adaptor: LIA013

Test Summary: PASS



Wire Map	1	2	3	4	5	6	7	8
PASS	1	1	1	1	1	1	1	1
	3	3	4	5	6	7	8	

Length (m), Limit 100.0 (Pair 78) 18.2
Prop. Delay (ns), Limit 555 (Pair 45) 92
Delay Skew (ns), Limit 50 (Pair 45) 4
Resistance (ohms) N/A

Insertion Loss Margin (dB) (Pair 45) 19.5
Frequency (MHz) (Pair 45) 100.0
Limit (dB) (Pair 45) 24.0



15.2 m

The Thames Valley Police Headquarters Krone TrueNet® Cat 5e network infrastructure installed supports over 800 data outlets in this brand new bespoke facility



PROJECT TEAM

Client:

Thames Valley Police

Project Manager:

Willmott Dixon

Contract:

Thames Valley Police Headquarters South

Building Services Consultant:

Darke & Taylor Structured Cabling Design

“This installation was designed

in house using the client’s network specification. We

were able to work closely with

our colleagues in the Darke & Taylor Contracting Team to

deliver on time and on budget, a great example of how Darke

& Taylor can provide a turn-key any cable solution” Steve

Hancock, Structured Cabling

Department Manager

Thames Valley Police HQ, Kidlington

The design for the new Headquarters for Thames Valley Police South in Kidlington required the installation of 858 Cat 5e data outlets in both faceplates and floor boxes over the three floors of the building. Darke & Taylor Structured Cabling installed the entire LAN, a key enabler to ensure the police can operate effectively from this purpose built HQ.

Project Scope:

Network Infrastructure Design Input

Supply & Install Category 5e LSOH UTP Cabling

Supply & Install Faceplate and Floor Box Data Outlets

Supply & Install Communications Cabinets and Associated Components

Full commissioning and performance testing

Further Details:

For this Krone TrueNet® specification, the Cat 5e UTP LSOH cables were routed from the outlet locations required via cable routes and pathways back to a newly supplied communication cabinets. They were terminated at the cabinets onto newly installed 24-way Cat 5e RJ45 patch panels. 1no. horizontal management bar was installed for every 2no. 24-way patch panel.

Once identified and labeled, all outlets were performance tested utilising a Class 3 Fluke DSP 4300 scanner performing a permanent link Class D report for each cable installed. Each port has been identified using engraved labels.



Over 20 kilometres of Cat 5e cable were installed by Darke & Taylor Engineers on this complex project.