

## **Category 5E & Category 6 Practitioner Course**

### **Course Agenda:**

**09:00 - 09:30**      **Registration & Coffee**

**09:30 - 09:35**      **Introduction to the Category 6 course.**

### **What is structured Cabling?**

Areas covered

1. Features of Structured Cabling
2. Cabling Bodies
3. Current Cabling Categories
4. The Future of Structured cabling
5. Gigabit Ethernet.
6. Positive Channel PSACR @ 200MHz

**10:30 - 10:45:**      **Coffee break.**

### **Measuring Cabling Performance**

Areas Covered

1. The Permanent Link
2. The Channel
3. Electrical Parameters
4. NEXT
5. FEXT
6. Insertion Loss (Attenuation)
7. Return Loss
8. Balance
9. PSNEXT
10. ELFEXT
11. Signal & Skew
12. Cabling Standards
13. Tests Required

### **Practical Cabling Examples**

Areas Covered

1. Cabling Direct or Indirect.
2. Installation Practices
3. Bend Radii
4. Cable Clamping
5. Horizontal Cable Management
6. Cable Restriction
7. Cabinet Cable Management
8. Patch Cord Management
9. Shielded Installations

## How Do I install HellermannTyton Products?

### Areas Covered

1. Correct Termination Methods on a range of HellermannTyton Products
2. Bad Installation Practices
3. Areas to be aware of when installing Structured Cabling

**12:00 - 12:30 Test Paper**

**12:30 - 13:00 Lunch**

(Buffet Style Lunch will be provided) This also provides time for you to go over any questions that you might have from the morning Session.

During Lunch Introduction into HellermannTyton  
(Presentation by a member of the Sales team)

## Practical Installation

### Areas Covered

1. Category 6 Cable
2. Terminating Methods
3. Terminating Category 6 Links
4. Category 6 Testers
5. Testing Category 6 links (installed by pupils)
6. Testing Existing Links

**15:30 - 15:45 Coffee Break**

## Testing Category 6 Installations

### Areas covered

1. Analysing test results
2. Finding and Fixing Faults.
3. Course Conclusions, Questions & Answers.

**16.30 Close**