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**TRATOS**

Fire Performance - A Burning Issue

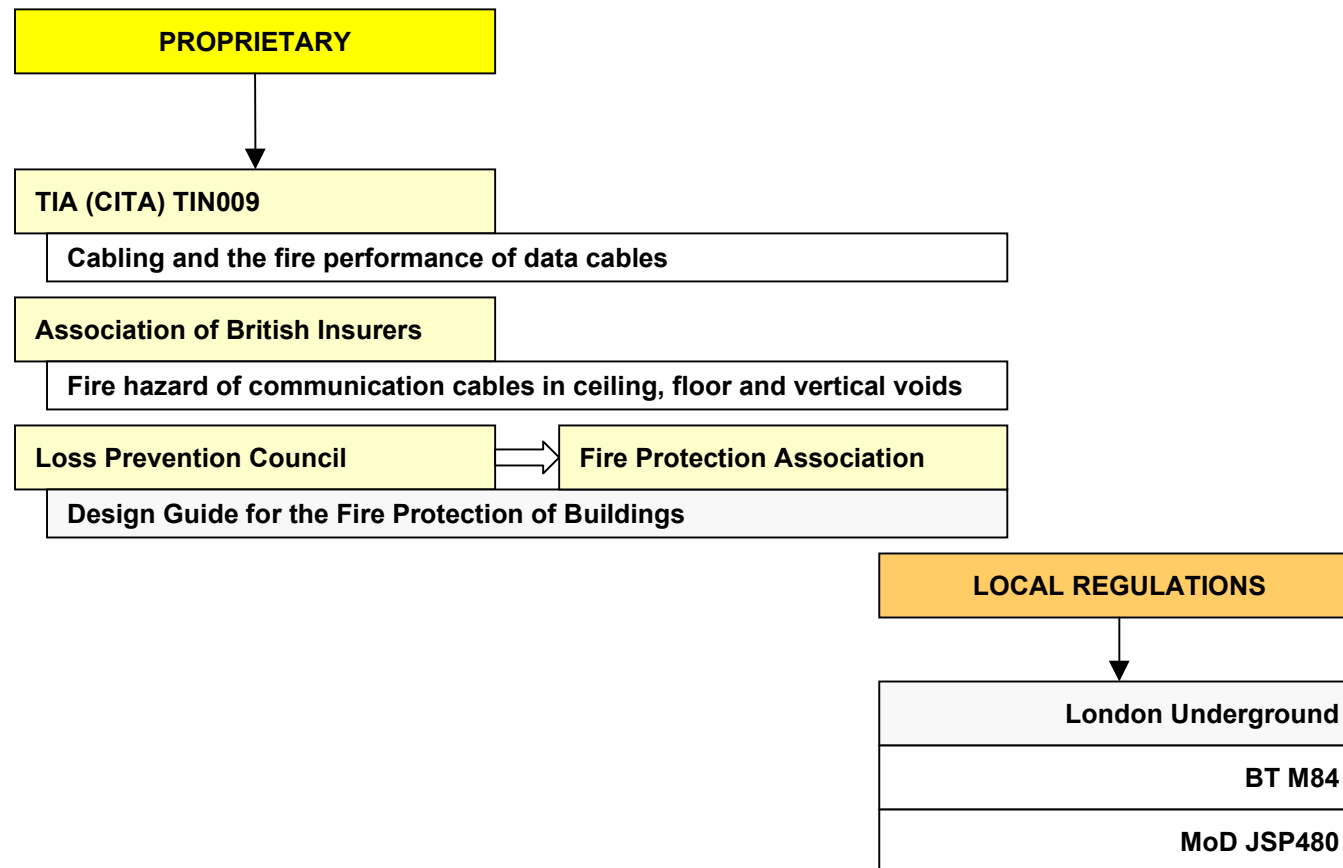
March Seminar - CAS 2007

**FIA 2007**

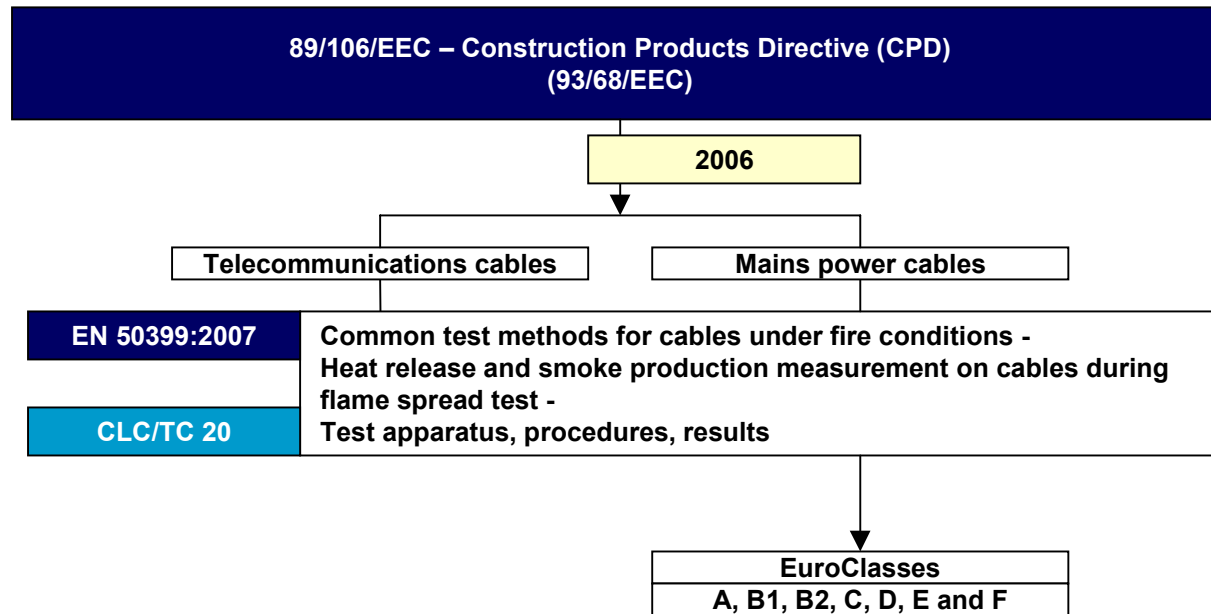
**FIA 2006**  
Commercial Awareness Seminars

**Fire Performance  
-  
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# Fire Performance Information



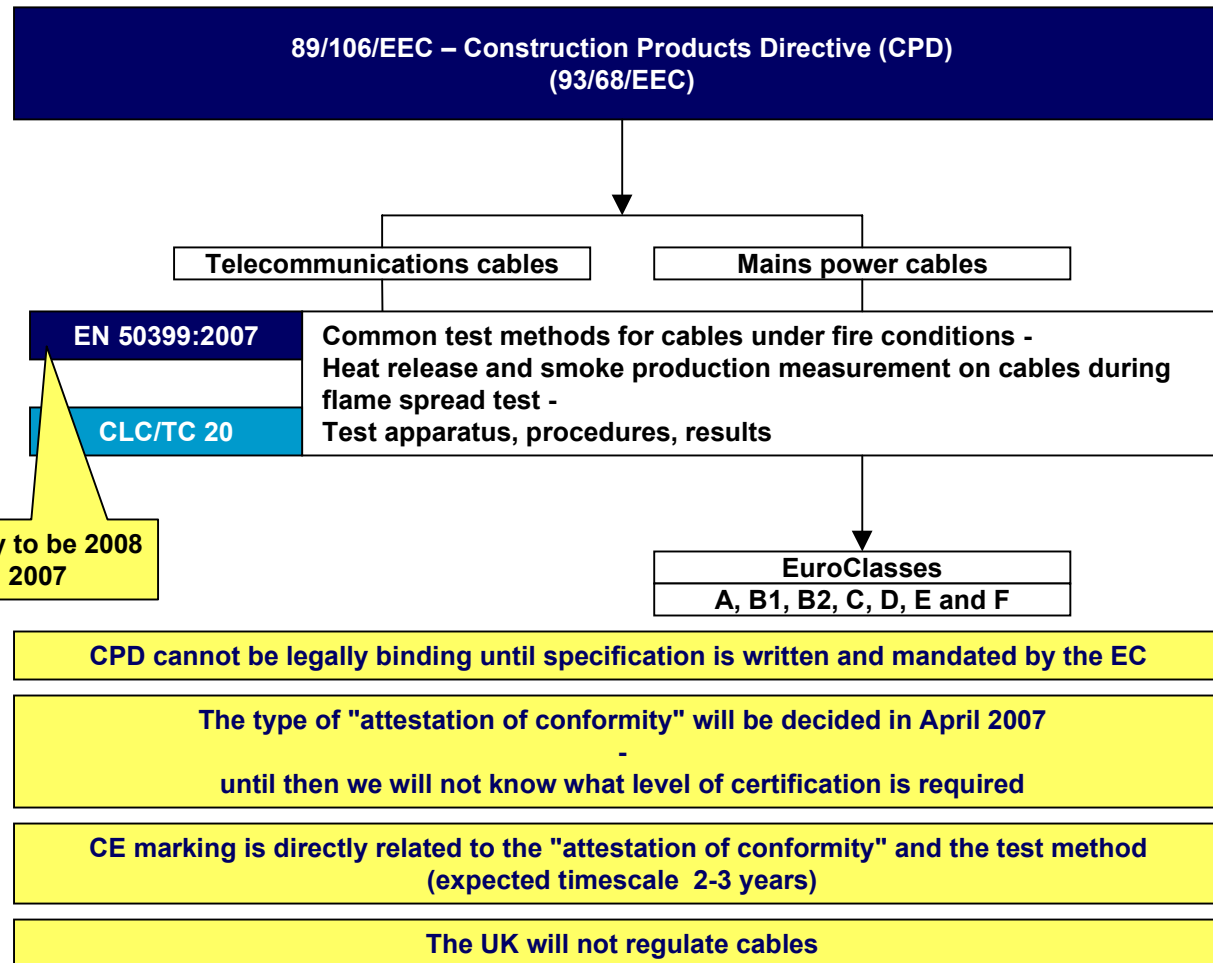
# Construction Products Directive



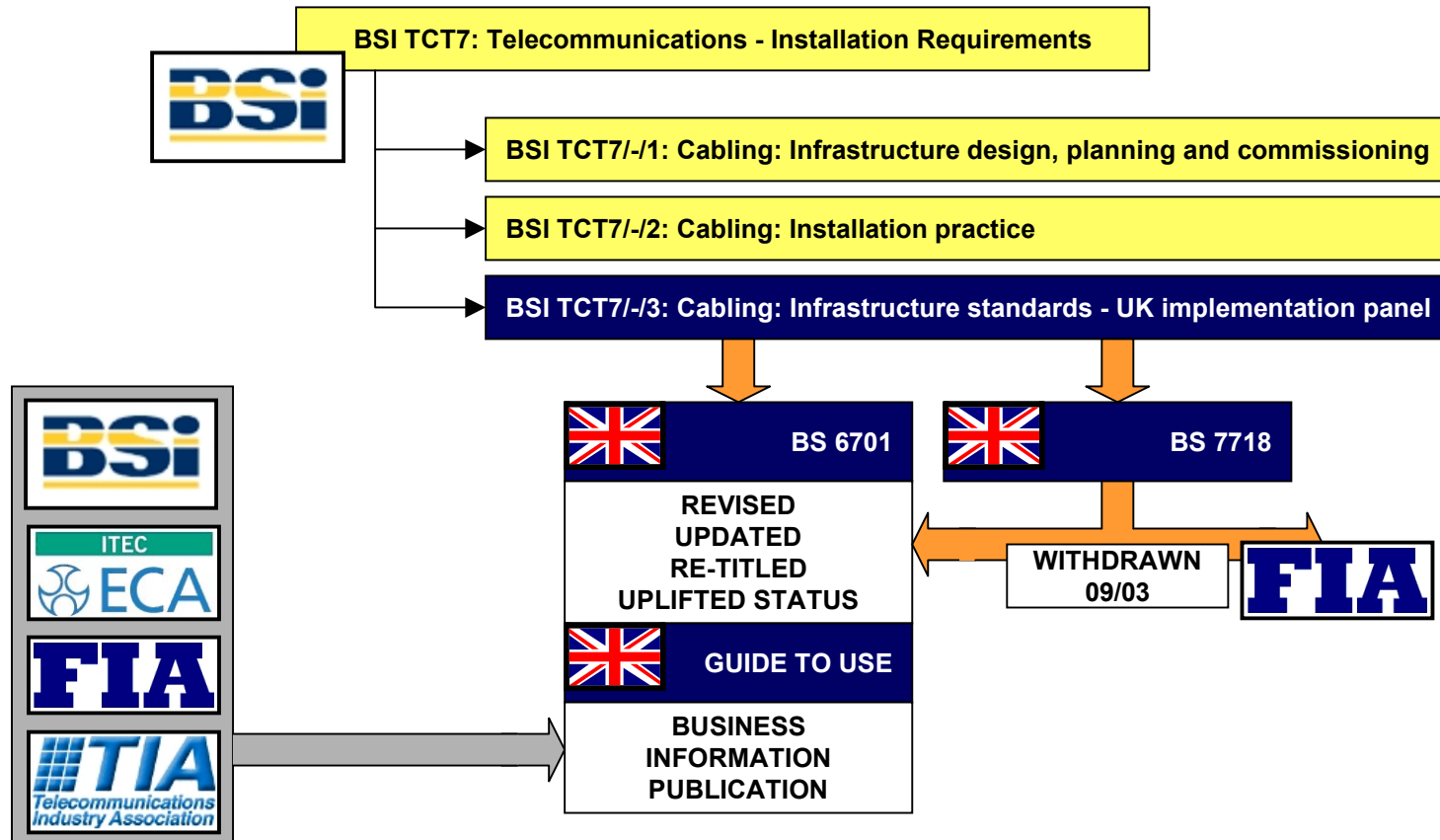
## EuroClass Mapping

EuroClass		BT M84
A	No or almost no contribution to fire	
B1	Very limited contribution to fire	
B2		F
C	Limited contribution to fire	E
D	Acceptable contribution to fire	C/D
E	Acceptable reaction to fire	B
F	No performance determined	A
EN 50399:2007		BS EN 60332-1-2
		BS EN 50266-2-1
		BS EN 50266-2-2
		BS EN 50266-2-3
		BS EN 50266-2-4
		BS EN 50266-2-5
		BS EN 50267-2-1
		BS EN 50267-2-3
		BS EN 61034-2
		BS 6387

# Construction Products Directive - Status 01/07



# In The Meantime!!!



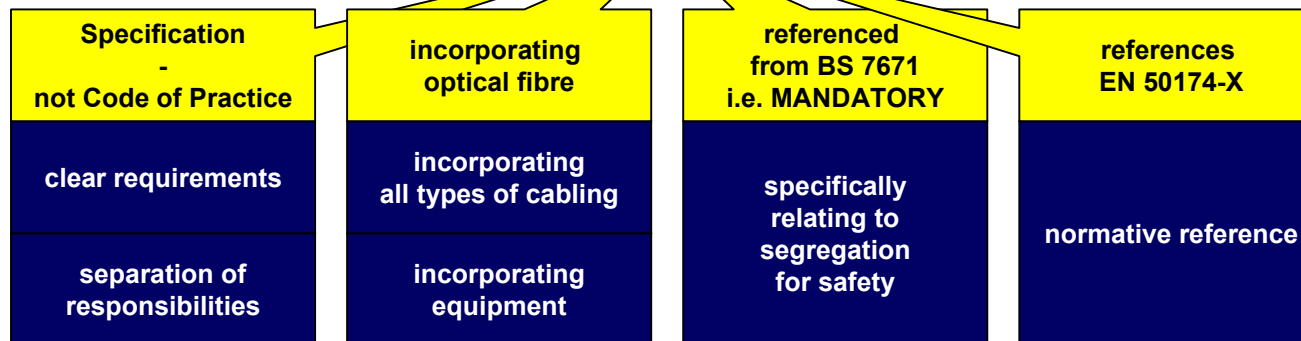
# BSI TCT7/-/3 - Home of UK Cabling Standards

IMPLICIT IN ALL CONTRACTS ASSOCIATED WITH BS 7671



BS 6701:2004

Telecommunications equipment and telecommunications cabling -  
Specification for installation, operation and maintenance



# BSI TCT7/-/3 and Fire Performance

## Telecommunication equipment and telecommunications cabling

### A Code of Practice for fire performance, prevention and protection

Foreword	BSI
<b>INTRODUCTION</b>	Mike Gilmore
<b>SCOPE</b>	All
Normative References	Mike Andersson
Terms, Definitions and Abbreviations	Mike Andersson
<b>FIRE PERFORMANCE</b>	
Equipment	Dave Close
Telecommunications cables	Jeremy Hodge
Mains power cables	Jeremy Hodge
Connecting hardware	Stuart Reeves
Closures (faceplates, panels, boxes)	Stuart Reeves/Rosemary McGlashon
Cabinets/frames/racks	Mike Gilmore
Cable management systems (trunking, conduit, tray, basket)	
Fire barriers	Lee Funnell
<b>FIRE PREVENTION</b>	
Burning load	Tim Oldershaw
Product selection (desired fire performance. EuroClass etc.)	Neil Mabbott
Segregation (isolation, separation)	Lee Funnell
Connecting hardware	
<b>FIRE PROTECTION</b>	
Detection systems	Barry Cook
Suppression systems	Barry Cook
Segregation (isolation, separation)	Lee Funnell
Operation	
Maintenance	

# FPPP (FP<sup>3</sup>) CoP

## INTRODUCTION

This Code of Practice supports the installation, operation and maintenance of telecommunication equipment and telecommunications cabling specified in BS 6701.

Targeted at insurers, installers, architects, premises owners

## SCOPE

This Code of Practice provides recommendations for the following aspects of telecommunications equipment and telecommunications cabling:

- a) fire performance;
- b) fire prevention;
- c) fire protection.

This Code of Practice is applicable to all types of telecommunications equipment and telecommunications cabling in premises.

This Code of Practice:

- a) explains the applicability of the fire performance specifications and associated test methods applied to the equipment, cabling components and infrastructure accessories;
- b) provides recommendations for:
  - the choice of material/construction leading to product selection;
  - the design and implementation of cabling infrastructures;
- c) details the relationship between the usage of premises, fire protection measures and the recommendations of this Code of Practice.

This Code of Practice is applicable to certain hazardous environments but does not exclude additional requirements which are applicable in particular circumstances, defined by e.g. electrified railways, petrochemical sites, intrinsically safe areas, explosive ordnance storage facilities (bomb dumps).

## Why Bother?

### Regulatory Reform (Fire Safety) Order

- came into force on 1st October 2006;
- places the responsibility for ensuring fire does not put lives at risk with the 'responsible person';
  - in most cases - the employer
- allows the enforcing authority to make sure that the legislation is complied with
  - sets penalties if it is not.
- requires the responsible person (or their representative) to:
  - carry out a suitable and sufficient risk assessment of their workplace;
  - remove or reduce fire hazards as far as possible;
  - ensure that fire alarm, detection and firefighting systems and facilities are well maintained.

The risk assessment should also include evacuation procedures and staff training requirements.

#### ADDITIONAL INFORMATION - HM CFA

A short guide to making your premises safe from fire

#### ADDITIONAL INFORMATION

*Fire Risk Management in the Workplace*

*FPA Workplace Fire Safety Log Book*

[www.thefpa.co.uk](http://www.thefpa.co.uk)



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## Why Bother?

TO EASE THE BEWILDERMENT!!

**UL 910**

**Safety Test for Flame-Propagation and  
Smoke-Density Values for  
Electrical and Optical-Fiber Cables Used in  
Spaces Transporting Environmental Air**

**NFPA 262**

**Standard Method of Test for Flame Travel and  
Smoke of Wires and Cables for Use in  
Air-Handling Spaces**

**FIA 2007**

# Widespread Assistance Sought

## STANDARDS BODIES

GEL/89	Fire hazard testing
EPL/46	Communication cables, wires and waveguides RF connectors Accessories for communications and signalling
EPL/48	Electromechanical components and mechanical structures for electronic equipment
EPL/86	Fibre optics
PEL/213	Cable management systems
GEL/20	Electric cables
JPEL/64	Wiring regulations
IST/-1	Replaced IST/22: Accommodation in computer rooms

## EXTERNAL BODIES

Infires	Insurer's Fire Research
FPA	Fire Protection Association
FSA	Fire and Security Association

# Content

## Telecommunication equipment and telecommunications cabling

### A Code of Practice for fire performance, prevention and protection



FPPP  
(FP<sup>3</sup>)  
CoP

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