

BS6701: Amendment 1 - 2017

You must incorporate it into your data cabling design.

30th November 2017 saw the publication of **BS6701: Amendment 1**, prior to its adoption as a supplement to the upcoming BS7671 18th Edition of the IET Electrical Wiring Regulations in July 2018. The primary objective of the standard was to improve the performance of data and telecommunications cables in fire conditions.

The new **BS6701: Amendment 1-2017** standard dictates a given EuroClass of Cca, S1b, d2, a2 cable construction in the permanent installation of both copper and fibre optic cables within a building.

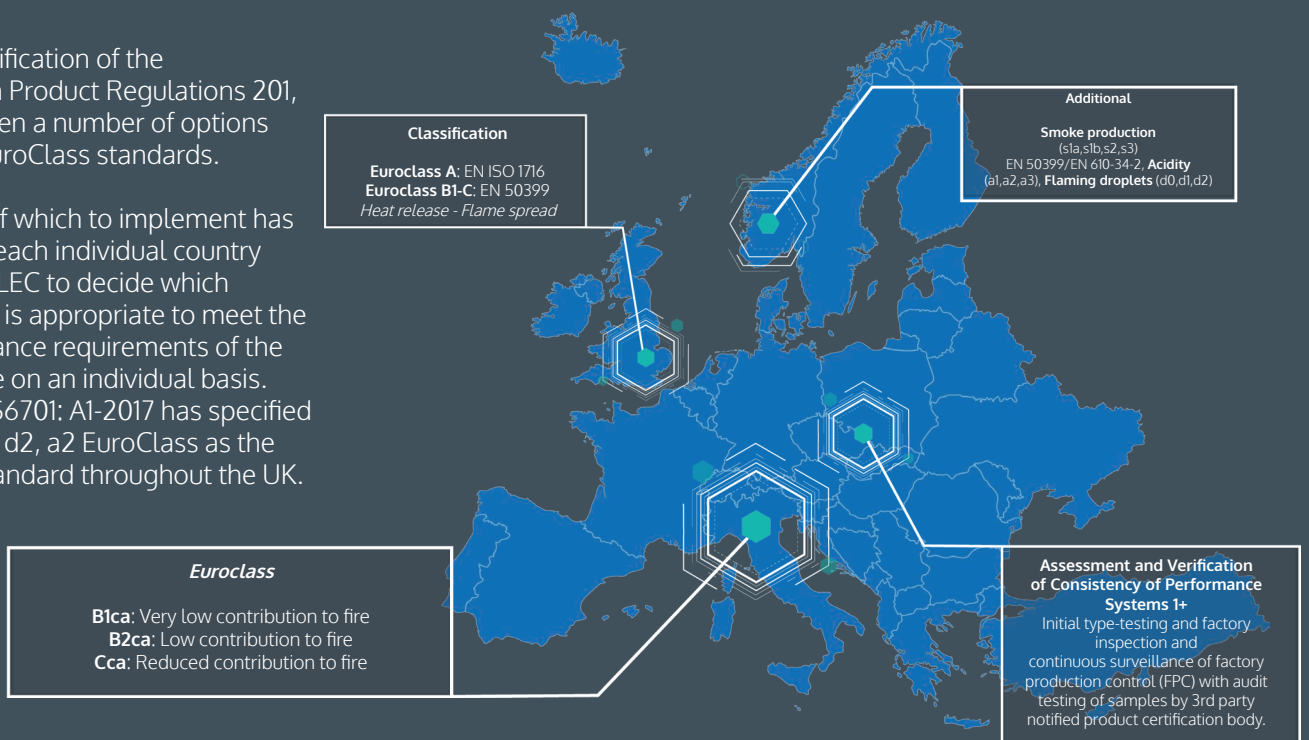
This is to be applied to **all** UK cabling projects, either new build, refurbishment or the extension of existing buildings where the installed cables are subject to the Construction Product Regulations.



Min. BS6701:A1-2017 UK Threshold

Since the ratification of the Construction Product Regulations 201, there has been a number of options within the EuroClass standards.

The choice of which to implement has been left to each individual country within CENELEC to decide which construction is appropriate to meet the fire performance requirements of the building type on an individual basis. However, BS6701: A1-2017 has specified the Cca, S1b, d2, a2 EuroClass as the minimum standard throughout the UK.



Classification

Euroclass A: EN ISO 1716
Euroclass B1-C: EN 50399
Heat release - Flame spread

Additional

Smoke production
(s1a, s1b, s2, s3)
EN 50399/EN 610-34-2, **Acidity**
(a1, a2, a3), **Flaming droplets** (d0, d1, d2)

Euroclass

B1ca: Very low contribution to fire
B2ca: Low contribution to fire
Cca: Reduced contribution to fire

Assessment and Verification of Consistency of Performance Systems 1+

Initial type-testing and factory inspection and continuous surveillance of factory production control (FPC) with audit testing of samples by 3rd party notified product certification body.

What Does This Actually Mean?

It now means that ALL Specification and Design documents requiring telecommunications cables must refer to **BS6701: Amendment 1-2017** in the first instance for all projects to be issued after 30th November 2017, and be seen to be specifying a minimum **EuroClass of Cca,s1b,d2,a2** cable type for all data/telecommunication cables, unless the client specifically asks for a different type of cable classification.

Because the cabling infrastructure is ultimately to be governed by BS7671, the decision on the type of cabling to be used must be made during the design phase, and ultimately approved by the client - not the installer.

Structured Cabling now supports most, if not all, modern intelligent building systems design and so covers much more than just traditional voice and data applications.

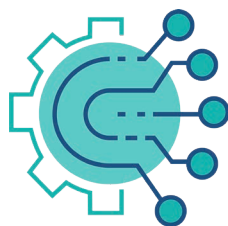
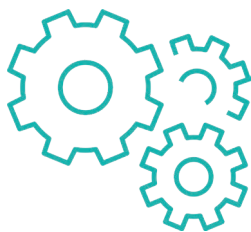
BS6701: Amendment 1-2017 will now dictate all of these systems fall in line with the standard.

The changes required should be applied to all specification documents in development, alongside the current references to **ISO 11801** and **EN 50173** that exist on current specification template documents.

NEW BUILD

REFURBISHMENT

EXTENSION OF EXISTING BUILDINGS



What Happens Now?

If your proposed data cabling project or provider does not refer to these Standards, please contact us on 0345 222 0 666 for a second opinion.

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