

Fire-resistant cables of rated voltage up to and including 600/1000 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire – Requirements and test methods

CORRIGENDUM NO. 1

February 2024

1. Page 7, Clause 2

Replace BS 6724 with the following:

BS 6724 Electric cables. Thermosetting insulated, armoured cables of rated voltages of 600/1 000 V and 1 900/3 300 V for fixed installations, having low emission of smoke and corrosive gases when affected by fire – Specification

2. Page 8, Clause 2

Add the following standards in the normative references:

BS EN 60332-1-2 Tests on electric and optical fibre cables under fire conditions – Test for vertical flame propagation for a single insulated wire or cable. Procedure for 1 kW pre-mixed flame

BS EN 60332-3-24 Tests on electric and optical fibre cables under fire conditions – Test for vertical flame spread of vertically-mounted bunched wires or cables. Category C.

3. Page 23, Table ZA.1

Add“(Adopting BS 7846 Annex I)” for Protocol W & Z under column “Cable with overall diameter > 20 mm”.

Cable specification		Low smoke and halogen-free tests	Flame spread test	Circuit integrity test	
				Cable with overall diameter ≤ 20 mm	Cable with overall diameter > 20 mm
Non-sheathed	BS 8592	BS EN 60754-1 BS EN 60754-2	BS EN 60332-3-24	Protocol C Protocol W Protocol Z	Protocol C
	BS EN 50525-3-41	BS EN 61034-2	BS EN 60332-1-2		Protocol W & Z (Adopting BS 7846 Annex I)
Sheathed	IEC 60502-1	IEC 60754-1 IEC 60754-2 IEC 61034-2	IEC 60332-3-24 IEC 60332-1-2	Protocol C Protocol W Protocol Z	Protocol C
	BS 8573	BS EN 60754-1 BS EN 60754-2 BS EN 61034-2	BS EN 60332-3-24 BS EN 60332-1-2		Protocol W & Z (Adopting BS 7846 Annex I)

4. Page 24, Table ZA.2

Add“(Adopting BS 7846 Annex I)” for Protocol W & Z under column “Cable with overall diameter > 20 mm”.

Cable specification	Low smoke halogen-free tests	Flame spread test	Circuit integrity test	
			Cable with overall diameter ≤ 20 mm	Cable with overall diameter > 20 mm
IEC 60502-1	IEC 60754-1 IEC 60754-2 IEC 61034-2	IEC 60332-3-24 IEC 60332-1-2	Protocol C Protocol W Protocol Z	Protocol C
BS 7846	BS EN 60754-1 BS EN 60754-2 BS EN 61034-2	BS EN 60332-3-24 BS EN 60332-1-2		Protocol W & Z (Adopting BS 7846 Annex I)
BS 6724				

5. Page 25, Annex ZA.2.3

Replace the heading of ZA.2.3 with:

“Flame-spread test on single cable and bunched cables”.

6. Page 25, Annex ZA.2.4

Replace Annex ZA.2.4 with the following:

The power and control fire-resistant cables shall be tested to evaluate the ability of the cable to maintain electrical circuit integrity in the event of fire. Additionally, for Protocol W and Protocol Z, cables with diameters exceeding 20 mm shall be tested according to BS 7846 Annex I.