

## 624 BH - ENHANCED FIRE SAFETY WIRING CABLE

**STANDARD:** BS 7211

**VOLTAGE RATING:** 300/500V

**APPLICATION:**

Domestic and light industrial wiring, where smoke and acid gas emission would pose a major hazard in the event of fire. Can be clipped to surface, on trays or in free air where there is little risk of mechanical damage. Suitable for laying into trunking or conduit etc. when mechanical protection is required. May be embedded in plaster or laid in walls.

**CONSTRUCTION:**

Two or three core flat cables with an additional uninsulated copper circuit protective conductor. Solid or stranded plain copper conductors. XLPE insulated, laid parallel with CPC and Zero Halogen Low Smoke (OHLS®) sheathed.

**CORE COLOURS:** Two core: Brown and Blue. Three core: Brown, Black and Grey.

**SHEATH COLOUR:** White

**BASEC:** Certified

**MAXIMUM CONDUCTOR TEMPERATURE:** 90°C

Note: Where a conductor operates at a temperature exceeding 70°C it shall be ascertained that the equipment connected to the conductor is suitable for the conductor operating temperature (see regulation 512-1-2 of BS7671, the 17th Edition of IEE Wiring Regulations).

**CURRENT RATING:** Refer to table 4D5A in BS7671 or on page 108.

**FIRE PERFORMANCE CHARACTERISTICS:**

**Smoke emission:** BSEN 61034

**Acid gas emission:** IEC 60754-2, BS EN 50267-2

**Flame propagation:** BSEN 60332-1

Reference number	Nominal area of conductor	Class of conductor	Maximum resistance of conductor at 20°C	Insulation thickness	Sheath thickness	Overall dimensions Upper limit (d x D)	Circuit protective conductor cross-section	Approx. nett weight	Minimum bending radius factor (major axis)
	mm <sup>2</sup>		Ω/km	mm	mm	mm	mm <sup>2</sup>	kg/km	
6242BH	1.0	1	18.1	0.7	0.9	5.0 x 9.1	1.0	67	3D
6242B7H	1.0	2	18.1	0.7	0.9	5.1 x 9.4	1.0	72	3D
6242BH	1.5	1	12.1	0.7	0.9	5.3 x 9.7	1.0	80	3D
6242B7H	1.5	2	12.1	0.7	0.9	5.4 x 10.0	1.0	85	4D
6242BH	2.5	1	7.41	0.7	1.0	6.0 x 11.2	1.5	113	4D
6242B7H	2.5	2	7.41	0.7	1.0	6.1 x 11.4	1.5	119	4D
6242BH	4	2	4.61	0.7	1.0	6.7 x 12.6	1.5	155	4D
6242BH	6	2	3.08	0.7	1.1	7.5 x 14.6	2.5	219	4D
6242BH	10	2	1.83	0.7	1.2	8.8 x 17.6	*4.0	333	4D
6242BH	16	2	1.15	0.7	1.3	10.1 x 20.5	*6.0	495	4D
6243BH	1.5	1	12.1	0.7	0.9	5.3 x 12.9	1.0	110	4D

\* Stranded Class 2 cpc

