

2491B / 6701B (H05Z-K / H07Z-K) Low Smoke Zero Halogen (LSZH) Insulated Single Core Cable TECHNICAL SPECIFICATION

Nominal Cross Sectional Area of Conductor mm ²	Nominal No. & Diameter of Wires mm	Radial Thickness of Insulation mm	Nominal Overall Diameter mm	Conductor Resistance at 20°C (Ω/km Max)
0.5	16/0.2	0.6	2.2	39.0
0.75	24/0.2	0.6	2.4	26.0
1.0	32/0.2	0.6	2.6	19.5
1.5	30/0.25	0.7	3.0	13.3
2.5	50/0.25	0.8	3.8	7.98
4.0	56/0.3	0.8	4.2	4.95
6.0	84/0.3	0.8	4.9	3.30
10.0	80/0.4	1.0	6.1	1.91
16.0	126/0.4	1.0	7.1	1.21
25.0	196/0.4	1.2	8.6	0.78
35.0	276/0.4	1.2	9.8	0.554
50.0	396/0.4	1.4	12.3	0.386
70.0	513/0.4	1.4	14.2	0.272

Application: Suitable for wiring of appliances, switchgear instrument panels, metering equipment etc where smoke and toxic fumes arising in a fire situation may threaten life or equipment.

Conductor: BS6360 Class 5 flexible.
Insulation: Thermosetting low smoke zero halogen - Type EI5, Oxygen Index 30.
Colours: Full range of BS7646C colours available to order.
Standards: BS EN 50525-3-41 (Formerly BS7211) H05Z-K H07Z-K Cenelec HD22.9.
BS EN/IEC 60332-1-2, BS EN 50267-2-1, BS EN/IEC 61034-1
Approvals: BASEC Certified (0.75mm² to 10mm²)

Voltage rating: 2491B (H05Z-K) 0.5mm² to 1.0mm² - 300/500V (Uo/U)
6701B (H07Z-K) 1.5mm² to 70mm² - 450/750V (Uo/U)

Temperature range: -15°C to +90°C
Minimum bend radius: 3 x overall diameter



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