



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

| Nominal Cross Sectional Area of Conductor mm <sup>2</sup> | Nominal No. & Diameter of Wires mm | Radial Thickness of Insulation mm | Nominal Overall Diameter mm | Maximum AMPS |
|---|------------------------------------|-----------------------------------|-----------------------------|--------------|
| 0.5   | 16/0.2                             | 0.6                               | 2.5                         | 3            |
| 0.75  | 24/0.2                             | 0.6                               | 2.7                         | 6            |
| 1.0   | 32/0.2                             | 0.6                               | 2.8                         | 10           |
| 1.5   | 30/0.25                            | 0.7                               | 3.4                         | 15           |
| 2.5   | 50/0.25                            | 0.8                               | 4.1                         | 25           |
| 4.0   | 56/0.3                             | 0.8                               | 4.8                         | 32           |
| 6.0   | 84/0.3                             | 0.8                               | 5.3                         | 47           |
| 10.0  | 80/0.4                             | 1.0                               | 6.8                         | 65           |
| 16.0  | 126/0.4                            | 1.0                               | 8.1                         | 87           |
| 25.0  | 196/0.4                            | 1.2                               | 10.2                        | 114          |

**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  
**Voltage rating:** 2491B (H05Z-K) 0.5mm<sup>2</sup> to 1.0mm<sup>2</sup> - 300/500V (Uo/U)  
 6701B (H07Z-K) 1.5mm<sup>2</sup> to 10mm<sup>2</sup> - 450/750V ( Uo/U)

**Temperature range:** -15°C to +90°C

**Minimum bend radius:** 3 x overall diameter.



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