

## AMC LOWSMOKE



## Low Smoke Zero Halogen

### Application

2491B ( $\leq 1\text{mm}^2$ ) / 6701B ( $\geq 1.5\text{mm}^2$ ) is a single-core, low-voltage, low-smoke, Zero Halogen (LSZH) wiring designed for installation within conduit, trunking or inside fixed protected environments. Installation in surface-mounted or embedded conduits, or similar closed systems and for fixed protected installation in or on lighting fittings and inside appliances, switch gear and control gear, particularly for situations in which low emissions of smoke and acid gas are required. Green/Yellow for use as earth can be installed without mechanical protection.

### Manufactured standards

Manufactured in accordance with BS-EN 50525-3-41

### Conductor

Bare copper in accordance with IEC 60228

### Insulation

LSZH

### Voltage rating

0.5mm – 1mm: 300/500V

1.5mm – 10mm: 450/750V

### Operating temperature

-25°C to 90°C

### Flame propagation & retardancy

Cores type tested, in accordance with IEC 60332-1-2 Flame Propagation – Single Cable Standard

### Minimum bend radius

<6x OD

### UV resistance

Yes

### Halogen free

Yes

### Low smoke

Yes

### Environmental statement

AMC take every action possible to ensure we are a sustainable, and environmentally aware manufacturer. **End of life care;** ensure that all cable product is disposed of inline with relevant WEEE Regulations.

| Part No | Conductor Specification (mm) | Conductor Cross Section (mm <sup>2</sup> ) | Maximum Overall Diameter (mm) | Nominal Current Rating (Amps) | Maximum Resistance Per Metre at 20°C (Ohms) | Colour  | Reel Sizes (Metres) |
|---------|------------------------------|--|-------------------------------|-------------------------------|---|---|---------------------|
| OH1     | 32/0.20                      | 1  | 2.62                          | 16.5                          | 0.0185                                      | Single core cables are available in the following colours:<br>(R) RED, (B) BLACK, (G) GREEN, (LG) LIGHT GREEN, (U) BLUE, (Y) YELLOW, (N) BROWN, (P) PURPLE, (K) PINK, (S) SLATE GREY, (W) WHITE, (O) ORANGE, (GY) GREEN / YELLOW. | 100                 |
| OH2.5   | 35/0.30                      | 2.5  | 3.72                          | 29                            | 0.0076                                      |   |                     |
| OH4     | 56/0.30                      | 4  | 4.25                          | 39                            | 0.00471                                     |   |                     |
| OH6     | 84/0.30                      | 6  | 4.82                          | 50                            | 0.00314                                     |   |                     |
| OH10    | 80/0.40                      | 10   | 6.19                          | 70                            | 0.00182                                     |   |                     |
| OH16    | 126/0.40                     | 16   | 7.95                          | 110                           | 0.00116                                     | Any combination of two of the above colours can be made available upon request.   |                     |

The conductor specifications shown are representative configurations; actual cable strand may differ slightly, but will meet the resistance values shown. Nominal current amperage ratings are provided as a guide only, and can vary depending on the application, condition and environmental factors. If in doubt, please consult a qualified electrician.