# SiHF Silicone Multicore Cable
# Technical Datasheet

**Description:** Silicone Multicore Cable. Ideal for applications in environments where temperatures are either high or low, these cables work between -50°C to +180°C. When exposed to fire they emit minimal levels of halogen gas.

**Construction**

| | |
|---|---|
| Conductor Material | : Tinned Copper, Class 5 |
| Conductor Insulation | : Silicone Rubber |
| Core Identification | : 2core – Brown, Blue 3core – Brown, Blue, Green/Yellow |
| | : 4core – Brown, Black, Grey, Green/Yellow |
| | : 5core – Brown, Black, Grey, Blue, Green/Yellow |
| | : 7 cores above – Black Cores with White Numbers + Green/Yellow |
| Sheath Material | : Silicone Rubber |
| Sheath Colour | : Brick Red |

**Electrical Characteristics**

| | |
|---|---|
| Nominal Conductor Resistance | : BS EN 60228 |
| Voltage Rating | : 300/500V |
| Test Voltage (AC) | : 2000V |

**Physical Characteristics**

| | |
|---|---|
| Min. Bend Radius | : Flexing 10 x OD Static 5 x OD |
| Temperature Rating | : -50°C to +180°C |
| Short-Term Temperature | : 200°C |

**Standards**

| | |
|---|---|
| Flame Retardant | : BS EN 60332-1-2 |
| Halogen Gas Emission | : BS EN 60754-1&2 |
| RoHS3 Compliant | : Yes |
| CE Compliant | : LVD (2014/35/EU) |

| Part No. | Cores x mm² | Weight kg/km | O/D mm |
|---|---|---|---|
| 47100702 | 2 x 0.75 | 60 | 6.3 |
| 47100703 | 3 x 0.75 | 71 | 6.8 |
| 47100704E | 4 x 0.75 | 91 | 7.7 |
| 47100705E | 5 x 0.75 | 114 | 8.5 |
| 47100707E | 7 x 0.75 | 139 | 9.2 |
| 47101002 | 2 x 1 | 67 | 6.6 |
| 47101003 | 3 x 1 | 81 | 7.0 |
| 47101004E | 4 x 1 | 104 | 8.0 |
| 47101005E | 5 x 1 | 130 | 9.0 |
| 47101007 | 7 x 1 | 161 | 9.8 |
| 47101502 | 2 x 1.5 | 92 | 7.6 |
| 47101503 | 3 x 1.5 | 111 | 8.0 |
| 47101504E | 4 x 1.5 | 137 | 9.0 |
| 47101505E | 5 x 1.5 | 167 | 9.7 |
| 47101507 | 7 x 1.5 | 208 | 10.5 |
| 47101512 | 12 x 1.5 | 371 | 14.1 |

| Part No. | Cores x mm² | Weight kg/km | O/D mm |
|---|---|---|---|
| 47102502 | 2 x 2.5 | 174 | 8.8 |
| 47102503 | 3 x 2.5 | 214 | 9.7 |
| 47102504E | 4 x 2.5 | 263 | 10.6 |
| 47102405E | 5 x 2.5 | 317 | 11.8 |
| 47102507 | 7 x 2.5 | 588 | 12.7 |
| 47104003 | 3 x 4 | 308 | 12.8 |
| 47104004E | 4 x 4 | 369 | 13.8 |
| 47104005E | 5 x 4 | 472 | 15.3 |
| 47106003E | 3 x 6 | 418 | 14.5 |
| 47106004E | 4 x 6 | 525 | 15.8 |
| 47106005E | 5 x 6 | 654 | 17.9 |
| 47110004E | 4 x 10 | 711 | 20.8 |

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