



# RIPCORD CABLE

## Cable Description

Ripcord cables, also known as speaker or zip cables, are versatile, lightweight, and easy-to-handle cables designed for low-voltage power distribution and signal transmission. Characterized by their two parallel conductors, ripcord cables are easy to separate (or "rip") along their length, making them ideal for straightforward installations in audio systems, light electrical applications, and low-voltage setups.

Ripcord cables are a practical choice for low-voltage and audio setups, providing simplicity and flexibility in applications where quick, efficient installation is needed. Their easy separability and light construction make them a popular option for a wide range of household and light commercial uses.

## Technical Data

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| <b>Specifications:</b>   | KGX Specification  |
|  <b>Temperature Range:</b><br>-10° C to 70° C |  <b>Voltage Rating:</b><br>48 V |
| <b>Core Identification</b>   | Mono Colours and Specials on request   |

| Part Number                 | Conductor Size      | Voltage | Conductor Resistance @ 70°C Maximum | Current Rating (A) | Volt Drop (mV / A/m) | Approx. Overall Diameter |
|-----------------------------|---------------------|---------|-------------------------------------|--------------------|----------------------|--------------------------|
|                             |                     |         | (Ω/km)                              |                    | 1ΦV                  | (mm)                     |
| <b>1 CORE (MONO COLOUR)</b> |                     |         |                                     |                    |                      |                          |
| RC.20F02                    | 0.20mm <sup>2</sup> | 48 V    | 92Ω                                 | 1                  | 248                  | 1.6 x 3.2                |
| RC.40F02                    | 0.40mm <sup>2</sup> | 48 V    | 48,8Ω                               | 2                  | 98                   | 2.1 x 4.2                |
| RC.50F02                    | 0.50mm <sup>2</sup> | 48 V    | 39Ω                                 | 3                  | 93                   | 2.5 x 5.0                |
| RC.75F02                    | 0.75mm <sup>2</sup> | 48 V    | 26Ω                                 | 6                  | 62                   | 2.7 x 5.4                |
| RC.1.0F02                   | 1.00mm <sup>2</sup> | 48 V    | 19,5Ω                               | 10                 | 46                   | 2.9 x 5.8                |
| RC.1.5F02                   | 1.50mm <sup>2</sup> | 48 V    | 13,3Ω                               | 16                 | 32                   | 3.2 x 6.4                |
| RC.2.5F02                   | 2.50mm <sup>2</sup> | 48 V    | 7,98Ω                               | 25                 | 19                   | 3.9 x 7.9                |
| RC.4.0F02                   | 4.00mm <sup>2</sup> | 48 V    | 4,96Ω                               | 32                 | 12                   | 4.7 x 9.4                |

## Applications

- Audio and speaker systems for home or commercial setups
- Low-voltage lighting installations
- Intercom and alarm systems
- Low-power DC circuits and control wiring
- DIY electronics projects and hobbyist applications

## Key Features

**Parallel Conductor Design:** Featuring two conductors side-by-side, ripcord cables allow for easy separation, providing flexibility in wiring and installation.

**Flexible Insulation:** Typically insulated with materials like PVC, ripcord cables are flexible and resistant to everyday wear, making them easy to handle and route around corners or through conduits.

**Low-Voltage Rating:** Designed for low-voltage applications, these cables are commonly used in audio equipment, speakers, and light-duty electrical setups.

**Polarity Identification:** Often marked with colour coding or ridges along one conductor, ripcord cables make polarity identification easier, reducing wiring errors during installation.

**Compact and Lightweight:** Due to their slim, simple construction, ripcord cables are lightweight and easy to install in compact spaces, such as in-wall or ceiling installations.