



## UNITRONIC® BUS CC

LAPP KABEL STUTTGART UNITRONIC® BUS CC

**i Info**

- Lapp Kabel is a regular member of the user organisation CC-Link Partner Association (CLPA), Japan.

### Benefits

- The CC-Link® system was developed by Mitsubishi Electric Automation, Japan.
- This CC-Link® bus cable has successfully passed the CC-Link® Conformance Test in Japan.

### Application range

- CC-Link® (Control & Communication Link) = field bus network, for both control as well as information data to provide efficient, integrated factory and process automation.
- Fixed installation of the CC-Link® network

### Product features

- UV-resistant
- Flame-retardant according to CSA FT4 UL Vertical-Tray Flame Test
- Transmission rate in relation to the distance
- 156 kbit/s 1.200 m
- 625 kbit/s 600 m
- 2,5 Mbit/s 200 m
- 5,0 Mbit/s 110-150 m
- 10 Mbit/s 50-100 m

### Norm references / Approvals

- CM UL/CSA certification 75°C or PLTC Sun Res

### Technical data

|  |   |
|--|---|
|  | ETIM 5.0 Class-ID: EC000830<br>ETIM 5.0 Class-Description: Data cable |
|  | <b>Peak operating voltage</b><br>300 V                                |
|  | <b>Conductor resistance</b><br>11 ohm/1,000 ft. (305 m) at 20°C       |
|  | <b>Minimum bending radius</b><br>15 x outer diameter                  |
|  | <b>Test voltage</b><br>2000 V   |
|  | <b>Characteristic impedance</b><br>110 ohm at 1 MHz                   |
|  | <b>Temperature range</b><br>-40°C to +70°C                            |

| Article number           | Article designation | Number of cores and AWG size | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|--------------------------|---------------------|------------------------------|---------------------|----------------------|----------------|
| <b>UNITRONIC® BUS CC</b> |                     |                              |                     |                      |                |
| 2170360                  | UNITRONIC® BUS CC   | 3 x 1 x AWG20                | 7.7                 | 38.8                 | 76.6           |

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges. Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths) CC-Link® is a registered trademark of CC-Link Partner Association, Japan (CLPA) Photographs are not to scale and do not represent detailed images of the respective products.



## UNITRONIC® BUS CC FD P FRNC

LAPP KABEL STUTTGART UNITRONIC® BUS CC FD P

**i Info**

- Lapp Kabel is a regular member of the user organisation CC-Link Partner Association (CLPA), Japan.

### Benefits

- The CC-Link® system was developed by Mitsubishi Electric Automation, Japan.

### Application range

- CC-Link® (Control & Communication Link) = field bus network, for both control as well as information data to provide efficient, integrated factory and process automation.
- For highly flexible applications (power chains, moving machine parts)

### Product features

- Transmission rate in relation to the distance
- 156 kbit/s 1.200 m
- 625 kbit/s 600 m
- 2,5 Mbit/s 200 m
- 5,0 Mbit/s 110-150 m
- 10 Mbit/s 50-100 m
- Halogen-free and flame-retardant (IEC 60332-1-2)

### Norm references / Approvals

- AWM 20233 80 °C 300V

### Technical data

|  |  |
|--|--|
|  | ETIM 5.0 Class-ID: EC000830<br>ETIM 5.0 Class-Description: Data cable                                  |
|  | <b>Certifications</b><br>UL AWM Style 20233  |
|  | <b>Peak operating voltage</b><br>300 V   |
|  | <b>Conductor resistance</b><br>11 ohm/1,000 ft. (305 m) at 20°C  |
|  | <b>Minimum bending radius</b><br>Fixed installation: 4 x outer diameter<br>Flexing: 8 x outer diameter |
|  | <b>Test voltage</b><br>2000 V  |
|  | <b>Characteristic impedance</b><br>110 ohm at 1 MHz  |
|  | <b>Temperature range</b><br>-40°C to +80°C   |

| Article number                     | Article designation         | Number of cores and AWG size | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|------------------------------------|-----------------------------|------------------------------|---------------------|----------------------|----------------|
| <b>UNITRONIC® BUS CC FD P FRNC</b> |                             |                              |                     |                      |                |
| 2170370                            | UNITRONIC® BUS CC FD P FRNC | 3 x 1 x AWG20                | 8.5                 | 39.9                 | 84             |

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