

U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>UNITRONIC® BUS CC FD P FRNC</b>	14.11.2013

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



Halogen-free



Power chain

### Info

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

### Norm references / Approvals

AWM 20233 80°C 300V

### 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)

### Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100kg. 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.

### Technical Data

Approvals:	UL AWM Style 20233
Peak operating voltage:	300 V
Conductor resistance:	11 ohm/1,000 ft. (305 m) at 20°C
Minimum bending radius:	Fixed installation: 4 x outer diameter Flexing: 8 x outer diameter
Test voltage:	2000 V
Temperature range:	-40°C to +80°C
Characteristic impedance:	110 ohm at 1 MHz

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# PRODUCT INFORMATION



**LAPP GROUP**

UNITRONIC® BUS CC FD P FRNC

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

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