

Allen-Bradley 1769 Series Service Manual

1769-CRL3

1. Description

The 1769-CRL3 cable is an Allen-Bradley/Rockwell Automation and CompactLogix series extension or expansion cable. It is a standard type of right to left expansion cable. The 1769-CRL3 right to left expansion cable is 1 meter or 3.28 long. It can operate in a temperature range from 0 to 60 degrees Celsius or 32 to 140 degrees Fahrenheit. The 1769-CRL3 right to left expansion cable should Technical specifications for 1769-CRL3

2. Specifications

Specification	Value
Manufacturer	Rockwell Automation
Brand	Allen-Bradley
Part	Number/Catalog No. 1769-CRL3
Product	Line CompactLogix
Module	Type Expansion Cable
Shipping	Weight 2 lbs.
Shipping	Dimensions 8X8X5 in.
Series	A and B
Isolation	Voltage 30 Volts Continuous
Enclosure	Open
Backplane	Current 1.4 Amps at 24 Volts
Power	Consumption 33.6 Watts
Power	Dissipation 7.5 Watts Description
The	Allen-Bradley 1769-CRL3 is a compact I/O cable for the DriveLogix 5730 Controller. The 1769-CRL3 is not a module or a power supply, but rather a cable to connect banks or group of modules. It is a right bank-to-left bank expansion cable type that makes extensions for the bus communication lines. The 1769 system can only use 2 cables at most, allowing for 3 banks of I/O modules with their own power supply. The 1769-CRL3 measures 3.28 feet and is usually used on a system of Base Units with a Compact I/O and a Bank 1 horizontal/vertical orientation. The system requires a right-to-left expansion cable to extend the 1769 I/

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The 1769-CRL3's approximate weight is 350g for the 3-foot cables and 300g for the 1-foot cables. It has a storage temperature of -40 - 85°C, an operating temperature of 0-60°C, and a relative humidity of 5-95% non-condensing. The 1769-CRL3 cable has an operating altitude of 6561 feet. Its operating vibration is 10-500 Hz, 5G, 0.030 inches max peak-to-peak. It has a general relay operation of 2G, one of 7.5G when panel-mounted, and one of 5G when DIN-rail-mounted. Its operating shock is 30G when panel mounted and 20G when DIN rail mounted, and its non-operating shock is 40G when panel mounted and 30G when DIN-rail-mounted. BUS Expansion Cable