

RMC200 LC8 Cable

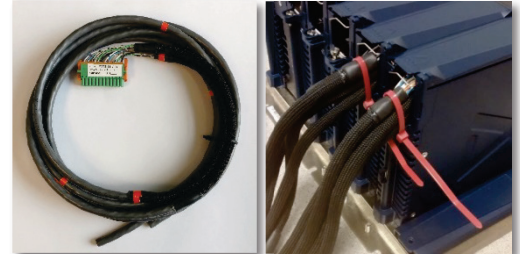
R2-CB-LC8-nnA Installation and Wiring

Pigtail cables provide a compact, convenient option for RMC200 modules. These cables are for short distances between the RMC200 and terminal blocks within the same cabinet. For long cable runs, Delta recommends using cables with lower resistance and better shielding.

Supplied Components

The **R2-CB-LC8-nnA** part number denotes a single cable assembly. The LC8 module requires **two** R2-CB-LC8-nnA cable assemblies – one per terminal block. Each cable assembly consists of:

- Terminal block connector
- Two cables, both wired to the single terminal block connector
- Flexible cable leader for easy bending out of module
- Pigtail ends

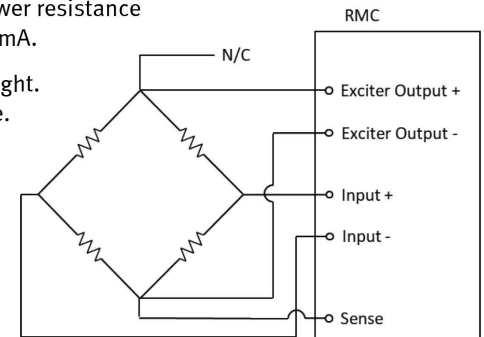


Cable specifications:

- Length: nn = 06: 6 ft (1.83 m); nn = 12: 12 ft (3.66 m) (other lengths available)
- Belden 1422A or equivalent
- OD: 0.294 in; min. bend radius: 3.0 in.
- 5 twisted pairs, overall foil shield, 24 AWG stranded
- Impedance: 100 Ohms; Capacitance 13 pf/ft; Resistance: 24 Ohms/1000 ft
- PVC jacket, -20 to 80 °C

LC8 Cable Wiring Notes

- Exciter A applies to terminal block 1. The ExcA+ pins are internally connected. Exciter B applies to terminal block 2. The ExcB+ pins are internally connected. All ExcA- and ExcB- pins are internally connected.
- The excitation provides 6.75 V, intended to work with 350 ohm load cells. Load cells with lower resistance are supported, as long as the total excitation current per terminal block does not exceed 80 mA.
- For 6-wire load cells, one of the sense wires will be unused as shown in the diagram to the right. The Exc+ and Exc- wires must be of the same length and gauge to use the Wire Sense feature.
- Shields from each individual load cell cable should be terminated at the remote terminal blocks with a low impedance connection to ground.
- Delta recommends the use of ferrules with these cables.



LC8 Cable Pin-out

TB1 Cable A: Inputs 0-1

Color Pairs	Pin
	ExcA+
	ExcA-
	In0+
	In0-
	ExcA+
	ExcA-
	In1+
	In1-
	Sens0
	Sens1

TB1 Cable B: Inputs 2-3

Color Pairs	Pin
	ExcA+
	ExcA-
	In2+
	In2-
	ExcA+
	ExcA-
	In3+
	In3-
	Sens2
	Sens3

TB2 Cable A: Inputs 4-5

Color Pairs	Pin
	ExcB+
	ExcB-
	In4+
	In4-
	ExcB+
	ExcB-
	In5+
	In5-
	Sens4
	Sens5

TB2 Cable B: Inputs 6-7

Color Pairs	Pin
	ExcB+
	ExcB-
	In6+
	In6-
	ExcB+
	ExcB-
	In7+
	In7-
	Sens6
	Sens7



No band



Marked with orange band



No band

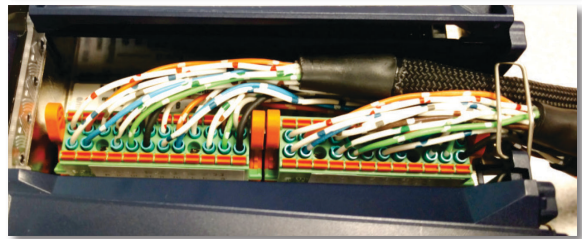


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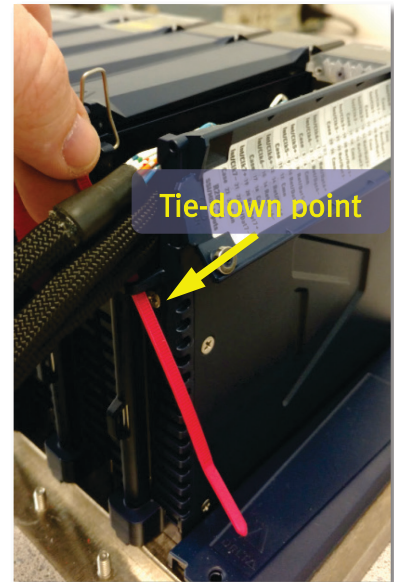


Installation Procedure

1. Insert the terminal block connectors for each cable assembly into the LC8 module, tucking the upper cable into the groove:



2. Use a cable tie to attach all cables exiting module to the tie down location shown. This ensures that module door will close properly. The cable tie should clamp onto the heat shrink tubing. Do not overtighten.



3. Connect the pigtail ends to terminal blocks as required by the application. Delta recommends the use of ferrules.

