

Rosemount™ 102C Liquid Analysis Sensor Cable



Overview

The Rosemount 102C Liquid Analysis Sensor Cable provides several different connection options for the wide variety of sensors and transmitters offered in the Rosemount Liquid Analysis portfolio.

For digital sensor cables with M12 connectors, connect the female end of the cable to the sensor and the male end to the transmitter.

For cable types with wire leads, refer to the Rosemount 102C Liquid Analysis Sensor Cable Quick Start Guide for your sensor for wiring information.

Contents

Overview.....	2
Ordering information.....	3
Declaration of Conformity.....	9

Ordering information

Model

Code	Description
R-102C	Rosemount 102C Liquid Analysis Sensor Cable

Cable

Code	Description
D1	Digital sensor cable, M12 female to M12 male
V6	Analog contacting and amperometric sensor cable, VP6 to wire leads
V8	Analog/preamp pH/ORP sensor cable, VP8 to wire leads
E1	Analog/preamp pH/ORP extension cable, wire leads to wire leads
E2	Analog contacting and amperometric extension cable, wire leads to wire leads
E3	Analog toroidal extension cable, wire leads to wire leads

Length

Code	Description
004	4 ft. (1.2 m)
005	5 ft. (1.5 m) ⁽¹⁾
010	10 ft. (3.0 m)
015	15 ft. (4.6 m)
020	20 ft. (6.1 m)
025	25 ft. (7.6 m)
030	30 ft. (9.1 m)
033	33 ft (10 m) ⁽¹⁾
035	35 ft. (10.7 m) ⁽¹⁾
040	40 ft. (12.2 m) ⁽¹⁾
045	45 ft. (13.7 m) ⁽¹⁾
050	50 ft. (15.2 m)
060	60 ft. (18.3 m) ⁽¹⁾
066	66 ft (20 m) ⁽¹⁾
070	70 ft. (21.3 m) ⁽¹⁾
080	80 ft. (24.4 m) ⁽¹⁾
090	90 ft. (27.4 m) ⁽¹⁾
100	100 ft. (30.5 m)

Code	Description
125	125 ft. (38.1 m) ⁽²⁾
150	150 ft. (45.7 m) ⁽²⁾
175	175 ft. (53.3 m) ⁽²⁾
200	200 ft. (61.0 m)

(1) This option is not compatible with the D1 cable option.

(2) This option is not compatible with D1, V6 or V8 cable options.

Figure 1: E1 Analog/Preamp PH/ORP Extension Cable Wire Leads

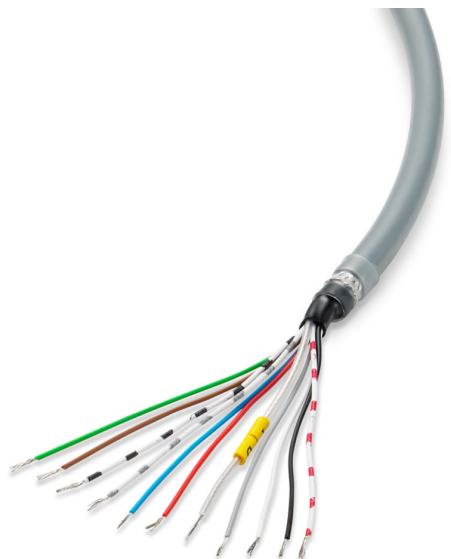


Figure 2: E2 Analog Contacting and Amperometric Extension Wire Leads



Figure 3: E3 Analog Toroidal Extension Cable Wire Leads

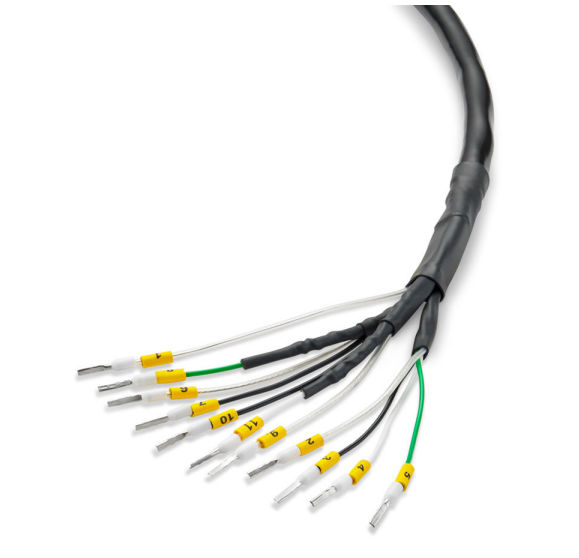


Figure 4: D1 Digital Sensor Cable M12 Female Connection



Figure 5: D1 Digital Sensor Cable M12 Male Connection



Figure 6: V6 Analog Contacting and Amperometric Sensor Cable VP6 Connection



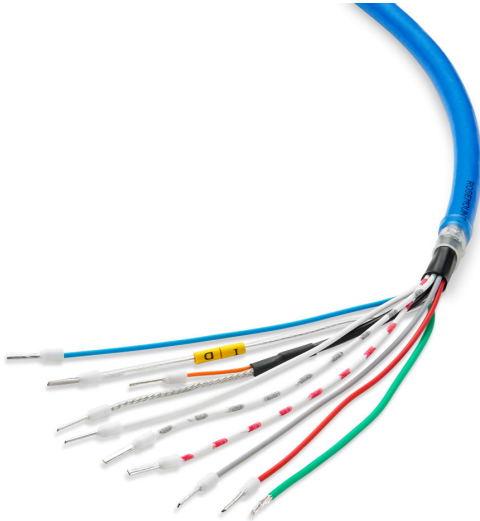
Figure 7: V6 Analog Contacting and Amperometric Sensor Cable Wire Leads



Figure 8: V8 Analog/Preamp pH/ORP Sensor Cable VP8 Connection



Figure 9: V8 Analog/Preamp pH/ORP Sensor Cable Wire Leads



Specifications	
Cable diameter	0.27 in.
Maximum temperature	176 °F (80 °C)

Note

102C cables can be submerged when connected to Rosemount digital M12 sensors.
102C cables meet the IP ratings of the Rosemount digital sensors and the Rosemount 1058 to which they are connected.

Declaration of Conformity



EU DECLARATION OF CONFORMITY



This declaration of conformity is issued under the sole responsibility of

Rosemount Inc.
6021 Innovation Blvd
Shakopee, MN 55379
USA

that the following products,

Rosemount™ 102C Cable Series

comply with the provisions of the European Union Directives, including the latest amendments, valid at the time this declaration was signed.

 (signature & date of issue)	July 25, 2024	Mark Lee	Vice President, Quality	Boulder, CO, USA
		(name)	(function)	(place of issue)

Authorized Representative in Europe:
Emerson S.R.L., company No. J12/88/2006
Emerson 4 street, Parcul Industrial
Tetarom II, Cluj-Napoca 400638, Romania

Regulatory Compliance Shared Services Department
Email: europaeproductcompliance@emerson.com Phone: +40 374 132 035

RoHS Directive (2011/65/EU)
Harmonized Standards:
IEC 63000:2018

For more information: [Emerson.com/global](https://emerson.com/global)

©2025 Emerson. All rights reserved.

Emerson Terms and Conditions of Sale are available upon request. The Emerson logo is a trademark and service mark of Emerson Electric Co. Rosemount is a mark of one of the Emerson family of companies. All other marks are the property of their respective owners.

ROSEMOUNT™

