

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 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) |
| 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) |
| 035 | 35 ft. (10.7 m) |
| 040 | 40 ft. (12.2 m) |
| 045 | 45 ft. (13.7 m) |
| 050 | 50 ft. (15.2 m) |
| 060 | 60 ft. (18.3 m) |
| 066 | 66 ft (20 m) |
| 070 | 70 ft. (21.3 m) |
| 080 | 80 ft. (24.4 m) |
| 090 | 90 ft. (27.4 m) |
| 100 | 100 ft. (30.5 m) |

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

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

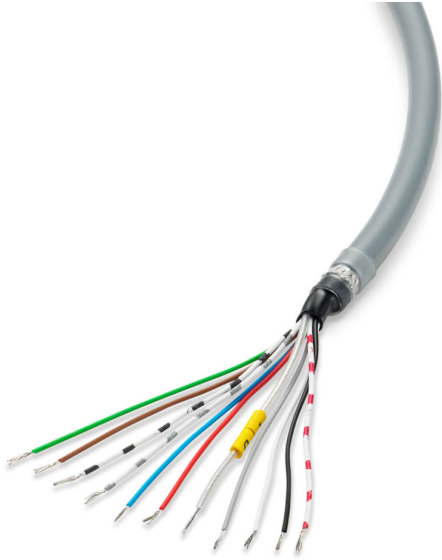


Figure 2: E2 Analog Contacting and Amperometric Extension Wire Leads



Figure 3: E3 Analog Toroidal Extension Cable Wire Leads

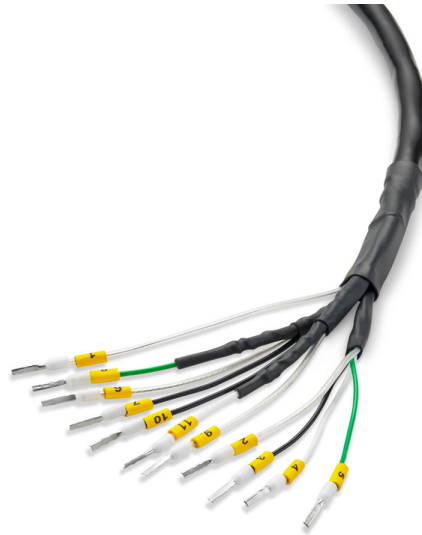


Figure 4: D1 Digital Sensor Cable M12 Female Connection



Figure 5: D1 Digital Sensor Cable M12 Male Connection



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



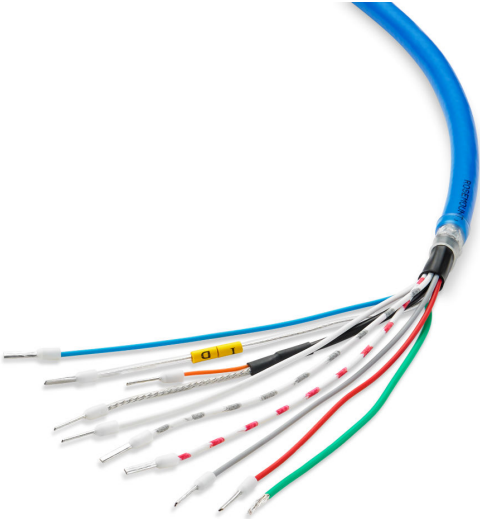
Figure 7: V6 Analog Contacting and Amperometric Sensor Cable Wire Leads



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



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



Declaration of Conformity



EU DECLARATION OF CONFORMITY



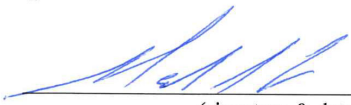
This declaration of conformity is issued under the sole responsibility of

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 (date of issue) | Mark Lee (name) | Vice President, Quality (function) | Boulder, CO, USA (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)

©2024 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.