

List of cables and converters for connection with peripheral devices (recommended product)

■Date of Issue

March 2011 (Ver.D: May 2025)

■Relevant Models

MELSEC-A/QnA/Q/L series

Thank you for your continued support of Mitsubishi Electric programmable controllers, MELSEC-A/QnA/Q/L series. This bulletin lists cables and converters for connecting the MELSEC-A/QnA/Q/L series CPU module with a personal computer.

For the handling of these cables and converters, please contact the respective manufacturers.

1 Terms

This bulletin uses the following terms unless otherwise specified.

Terms	Description
Recommended product	A product that meets the Mitsubishi Electric standards. (We have confirmed that the product operates correctly.) The recommended product should be used in accordance with its specifications when used with our products.

2 Precautions

Specifications of recommended products are subject to change without notice.

3 List of cables and converters for connection with peripheral devices (recommended product)

3.1 RS-232C/RS-422 converter (manufactured by Mitsubishi Electric)

Manufacturer	Product	Model	Power from the programmable controller	Remarks
Mitsubishi Electric Corporation	RS-232C/RS-422 converter	FX-232AWC-H	Supplied	Should be used together with the following cables.
	RS-422 cable for connection with the A/QnA series programmable controller	FX-422CAB	Not supplied	• Cable length: 0.3m • D-SUB25P → D-SUB25P
		FX-422CAB-150	Not supplied	• Cable length: 1.5m • D-SUB25P → D-SUB25P
	Cable for data transfer	F2-232CAB-1	Not supplied	• Products compatible with personal computers • Cable length: 3m • D-SUB9P → D-SUB25P

3.2 RS-232C/RS-422 converter (production discontinued) (manufactured by Mitsubishi Electric)

Manufacturer	Product	Model	Power from the programmable controller	Remarks
Mitsubishi Electric Corporation	RS-232C/RS-422 converter	FX-232AW	Supplied	—
		FX-232AWC	Supplied	—
	Cable for data transfer	F2-232CAB	Not supplied	<ul style="list-style-type: none"> • Products compatible with personal computers (PC9821) • Cable length: 3m • D-SUB25P → D-SUB25P
		F2-232CAB-2	Not supplied	<ul style="list-style-type: none"> • Products compatible with personal computers (PC9821) • Cable length: 3m • Half pitch 14P → D-SUB25P

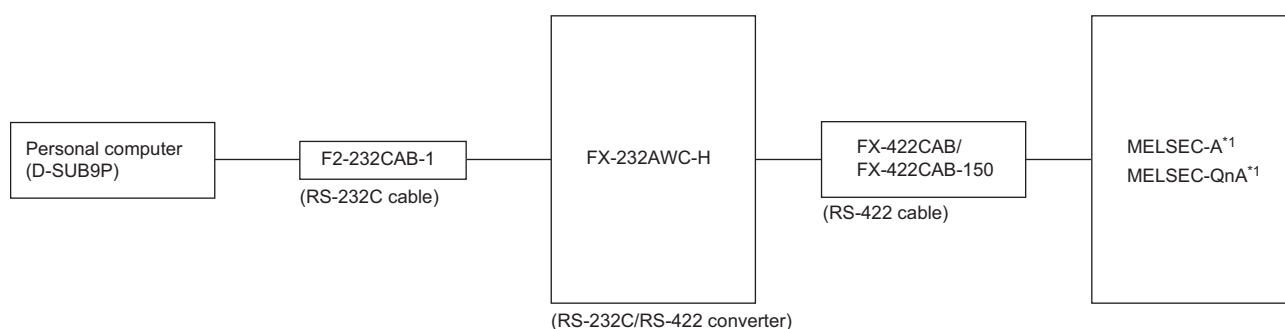
3.3 RS-232 cable for QCPU (production discontinued) (recommended product)

Manufacturer	Product	Model	Power from the programmable controller	Remarks
KURAMO ELECTRIC CO., LTD.	RS-232C cable	FMBKAZ1-□	Not supplied	<ul style="list-style-type: none"> • Dedicated to QCPU corresponding to the serial communication function • □: Cable length (can be specified in 0.1m increments up to 15m.) • Mini-DIN6P → No connector
CHUGAI Co., Ltd.	RS-232 cable	CH-M096234-□	Not supplied	<ul style="list-style-type: none"> • Dedicated to QCPU corresponding to the serial communication function • □: Cable length (can be specified in 0.1m increments up to 15m.) • Mini-DIN6P → No connector

4 Example of connection between a personal computer and a CPU module

4.1 Example of connection using cables manufactured by Mitsubishi Electric Corporation

When the RS-232C/RS-422 converter is used



*1 Relevant module: CPU module, positioning module

5 Relevant technical bulletin

5.1 Technical bulletin regarding cautions for use of cables

Number	Title
FA-A-0298	Cautions When Using Mitsubishi Electric Controllers or GOTs Connected to a Personal Computer Via RS-232C/USB Interface

REVISIONS

Version	Date of Issue	Revision
—	March 2011	First edition
A	July 2014	Due to the change of the title of the technical bulletin T99-0032, "3. Relevant technical bulletin" is modified.
B	November 2017	Information on discontinued products is updated.
C	January 2019	Available for e-Manual Viewer
D	May 2025	<ul style="list-style-type: none">• Information on discontinued products is updated.• Example of connection using cables manufactured by Mitsubishi Electric Corporation is updated.• Due to the discontinuation of the technical bulletin T99-0032, the relevant technical bulletin is changed.