

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

■Date of Issue

March 2011 (Ver.C: January 2019)

■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. (Correct operation of the product has been confirmed by Mitsubishi Electric.) When using a recommended product with our products, use it according to its specifications.

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-232/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	• Cable length: 3m • D-SUB9P → D-SUB25P

FA-A-0036-C

3.2 RS-232/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	—

3.3 RS-232 cable for QCPU/LCPU (recommended product)

Manufacturer	Product	Model	Power from the programmable controller	Remarks
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 • When using MELSEC-L series, prepare a RS-232 adapter. • □: Cable length (Set in increments of 0.1m, up to 15m.) • Mini-DIN6P → No connector

3.4 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 (Set in increments of 0.1m, 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-232/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
T99-0032	Cautions when using MELSEC-Q/L/QS/AnS series, MELSEC iQ-R series, and GOT-A900/GOT1000/GOT2000 series connected to a personal computer with the RS-232/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