



To CLPA partners

April 24, 2024
CC-Link Partner Association

CLPA announces the change in CC-Link communication specifications.

Regarding the CC-Link Specification Overview and Protocol Edition BAP-C2001ENG-001, the specifications for the length of Ver.1.10-compatible CC-Link dedicated cable have been changed.

1. Details of the Change

The specifications for the length of Ver.1.10-compatible CC-Link dedicated cables have been changed as follows.

This change applies only if the transmission speed is 10 Mbps and the total cable length exceeds 80 m.

This change does not affect system configurations other than those specified above.

2. Changes in Specifications

Table 5.7 Maximum Transmission Distance in the CC-Link Specification Overview and Protocol Edition BAP-C2001ENG-001 has been changed as follows.

<Before revision>

CC-Link dedicated cable (110Ω type)

Transmission speed	156kbps	625kbps	2.5Mbps	5Mbps	10Mbps
Station-to-station cable length	20cm or longer				
Maximum overall cable distance	1200m	900m	400m	160m	100m

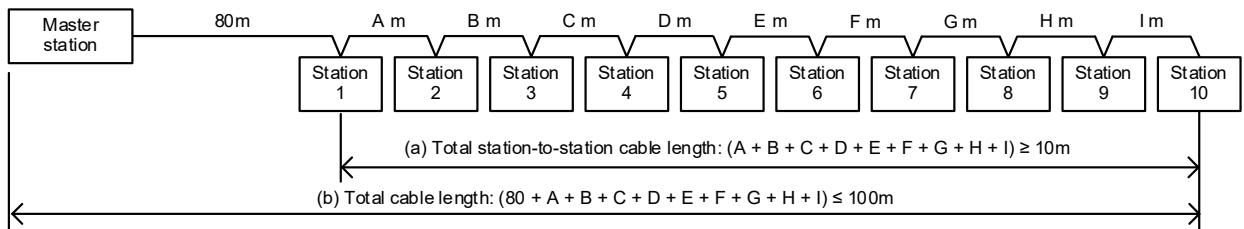
<After revision>

CC-Link dedicated cable (110Ω type)

Transmission speed	156kbps	625kbps	2.5Mbps	5Mbps	10Mbps
Minimum station-to-station cable length	20cm	20cm	20cm	20cm	20cm
Maximum transmission distance	1200m	900m	400m	160m	80m

(*1) Restrictions

When the total number of connected stations including the master station is 11 or more, the total station-to-station cable length of each consecutive 10 stations should be 10m or more.



3. Revision of Conformance Test Specifications

The CC-Link Conformance Test Specification have been revised in accordance with the above communication specification changes.

For details, please refer to each CC-Link Conformance Test specifications.