

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex TC-305-01

Trusted Communications Flying Lead Cable

HOST	FLYING LEADS	MODULE PLUG	SHEATH
T8151	Eight	78+2-way type M	PVC

For qualified personnel only. This installation summary is not a substitute for the controlled manufacturer procedure, system safety plan or approved site isolation requirements.

01

BEFORE INSTALLATION

Identity	Confirm TC-305-01 and the intended T8151 interface.
External terminations	Record the required cable length, eight lead destinations and connectors.
Media selection	Verify the documented Ethernet medium; do not use both types simultaneously.
Cable condition	Inspect the hood, earth braid, screens, sheath and heatshrink.
Work controls	Use qualified personnel and the approved isolation and hazardous-area procedure.

02

PREPARATION AND BOUNDARIES

- Use the complete original Figure 6 and Table 2 for port and pin information; this reference does not reproduce or infer a wiring map.
- Record the installed media selection and all external terminations before disconnecting any lead.

03
INSTALLATION AND COMMISSIONING

01	Verify the complete TC-305-01 identity, host interface and required external connector arrangement.
02	Establish the approved isolation and hazardous-area conditions before connection or disconnection.
03	Match the module-end type M connector and each flying lead to the original manufacturer port table.
04	Verify the selected Ethernet medium, applicable coaxial leads, screening and documented earth-braid arrangement.
05	Inspect completed terminations and strain relief; ensure the cable route does not load the connectors.
06	Complete the controlled communications and affected process-function checks before operational release.

04
SAFETY AND FINAL CHECKS

- Check port identity, selected medium, external terminations and screening against the original connection table when investigating communications faults.
- Do not infer a wiring correction from generic cable colors or connector appearance; use the controlled manufacturer and site records.

05
OFFICIAL PROCEDURE

ICSTT-RM312N-EN-P | Trusted Communications Cables | Issue 17, May 2019

Cable construction: RM312N PDF p. 23; original port drawings: pp. 24-26; safety warnings: pp. 7-8. Electrical limits: PC002G PDF p. 5.

ICSTT-PC002G | Trusted Product Information | December 2025

Independent Amikon reference, not an OEM manual. Use the complete manufacturer instructions matching the actual hardware and firmware. No manufacturer pages are reproduced.

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ORIGINAL REFERENCE SCHEMATICS

ICS Triplex TC-305-01 | Documented installation context

Original Amikon illustration based on the linked OEM pages. Logical arrangement only; not to scale and not an electrical wiring or manufacturer installation drawing.

A | EQUIPMENT ARRANGEMENT



Logical connection relationship only; no electrical pin map is shown.

Use one documented Ethernet medium at a time and verify the original earth and screening arrangement.

B | CONFIGURATION BOUNDARY

Use TC-305-01 with the documented T8151 interface. Confirm all eight lead identities, the required external terminations, selected Ethernet medium and approved work controls.

07

ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

- Cable construction - Figure 5 - PDF page 23
- Original pin drawing and connection table - PDF page 24
- Original safety warnings - PDF page 8

If the viewer ignores the page target, enter the stated PDF page manually. Retain the full manufacturer warnings and approved maintenance plan; this reference does not authorize live work.