

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

ICS Triplex TC-308-02-2M5

Output SmartSlot Jumper Cable

CABLE LENGTH	I/O CLASS	WIRE HARNESS	PLATFORM
2.5 meters	Output	56-way	Trusted

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

Complete identity	Confirm TC-308-02-2M5 and the -02, 2.5-meter configuration.
I/O class	Check compatibility with 40-channel Trusted digital output modules only.
Endpoints	Identify the type C SmartSlot end and type R affected-module end.
Assembly condition	Inspect sleeving, contacts, hoods and earth braid.
Work controls	Use qualified personnel and the approved isolation and hazardous-area procedure.

02

PREPARATION AND BOUNDARIES

- Read the complete OEM SmartSlot and I/O-module procedure; this reference is not a channel pinout or live-work authorization.
- Record both endpoint identities and preserve the approved cable route before disturbing the assembly.

03
INSTALLATION AND COMMISSIONING

01	Match TC-308-02-2M5, its 2.5-meter length and the documented output I/O class.
02	Confirm the affected module and the intended SmartSlot position against approved installation records.
03	Establish the required site isolation and hazardous-area conditions before connecting or disconnecting equipment.
04	Follow the original cable drawing for connector orientation; protect exposed contacts and do not force mismatched connectors.
05	Inspect the fully seated connections, intact protective sleeving and required earth-braid arrangement.
06	Complete the approved I/O, diagnostic and process-function checks before returning the affected equipment to service.

04
SAFETY AND FINAL CHECKS

- Investigate incorrect I/O class, damaged contacts, poor connector seating or a disturbed earth connection using the complete OEM procedure.
- Use controller and module diagnostics together with the approved maintenance plan; the cable itself does not define the safe process response.

05
OFFICIAL PROCEDURE

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

Communications manual PDF pp. 1-3: order-code convention; p. 29: Figure 8 and cable construction; pp. 7-8: warnings. Product Information PDF p. 5: electrical limits.

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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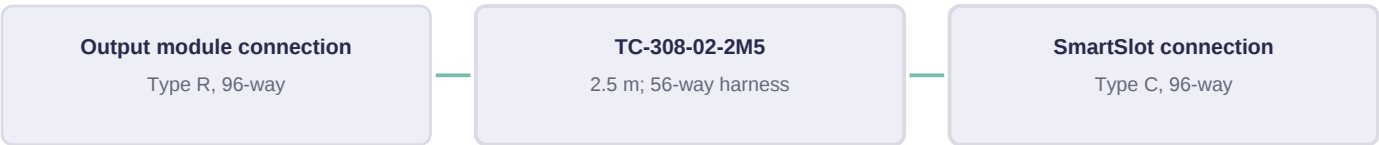
06

ORIGINAL REFERENCE SCHEMATICS

ICS Triplex TC-308-02-2M5 | 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 endpoint relationship only; this is not a pinout or a SmartSlot changeover sequence.

Both module compatibility and the approved maintenance state must be confirmed before connection.

B | CONFIGURATION BOUNDARY

Use TC-308-02-2M5 only with 40-channel Trusted digital output modules only and the documented SmartSlot arrangement. Confirm endpoint identity, cable length and site maintenance controls.

07

ORIGINAL MANUFACTURER DRAWING AND PROCEDURE LINKS

[Exact cable construction - Figure 8 - PDF page 29](#)

[Cable suffix and length convention - PDF page 2](#)

[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.